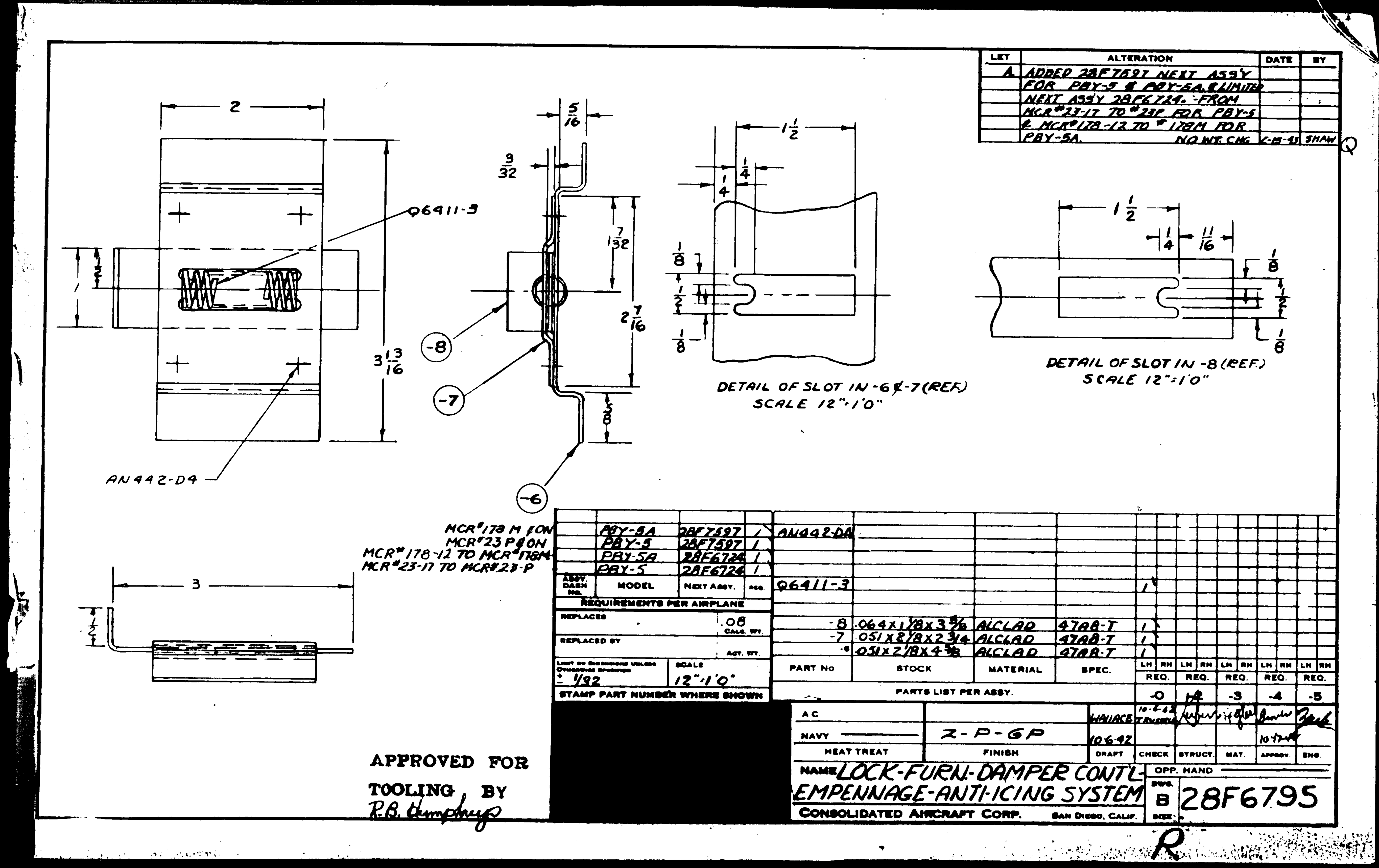
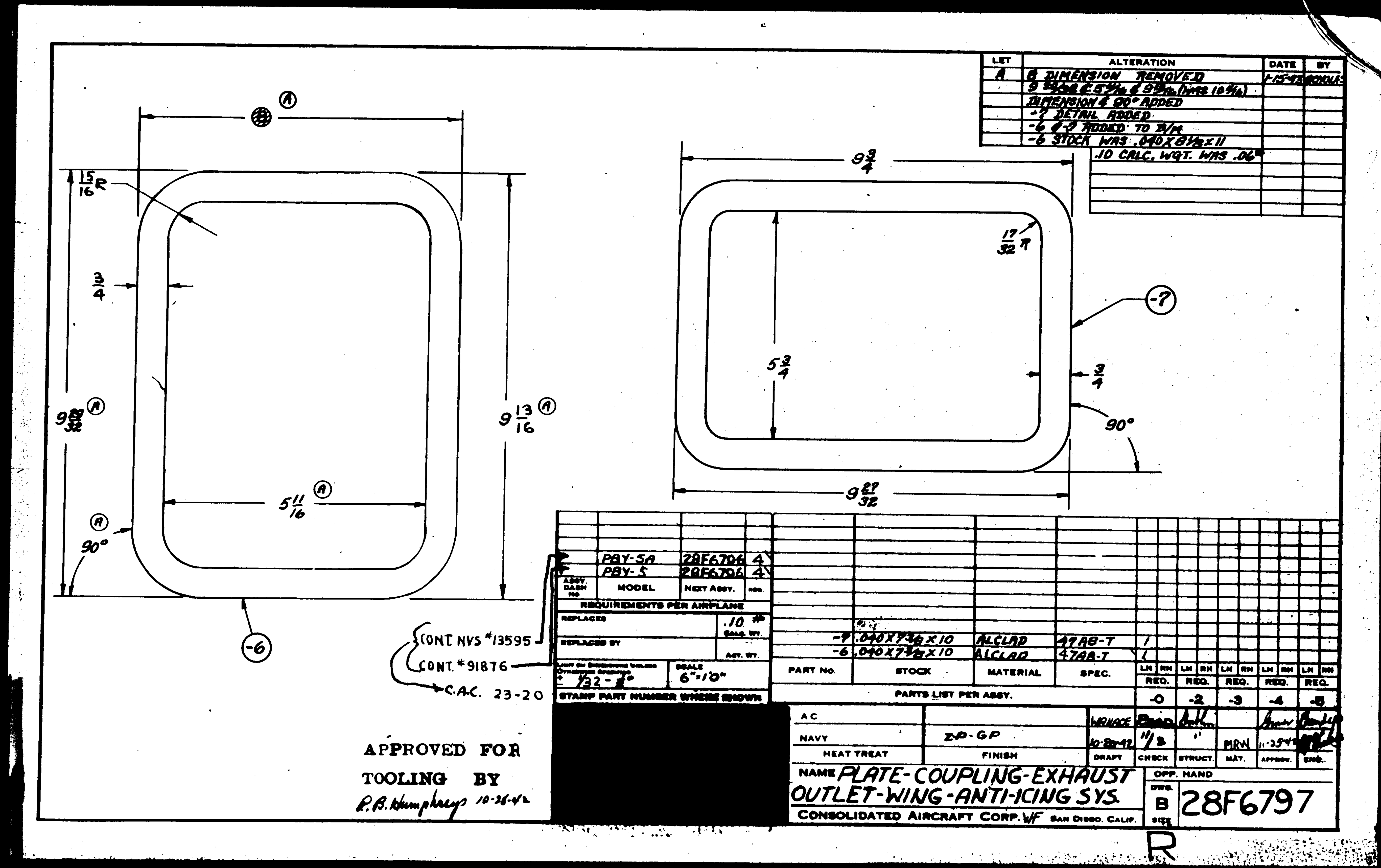
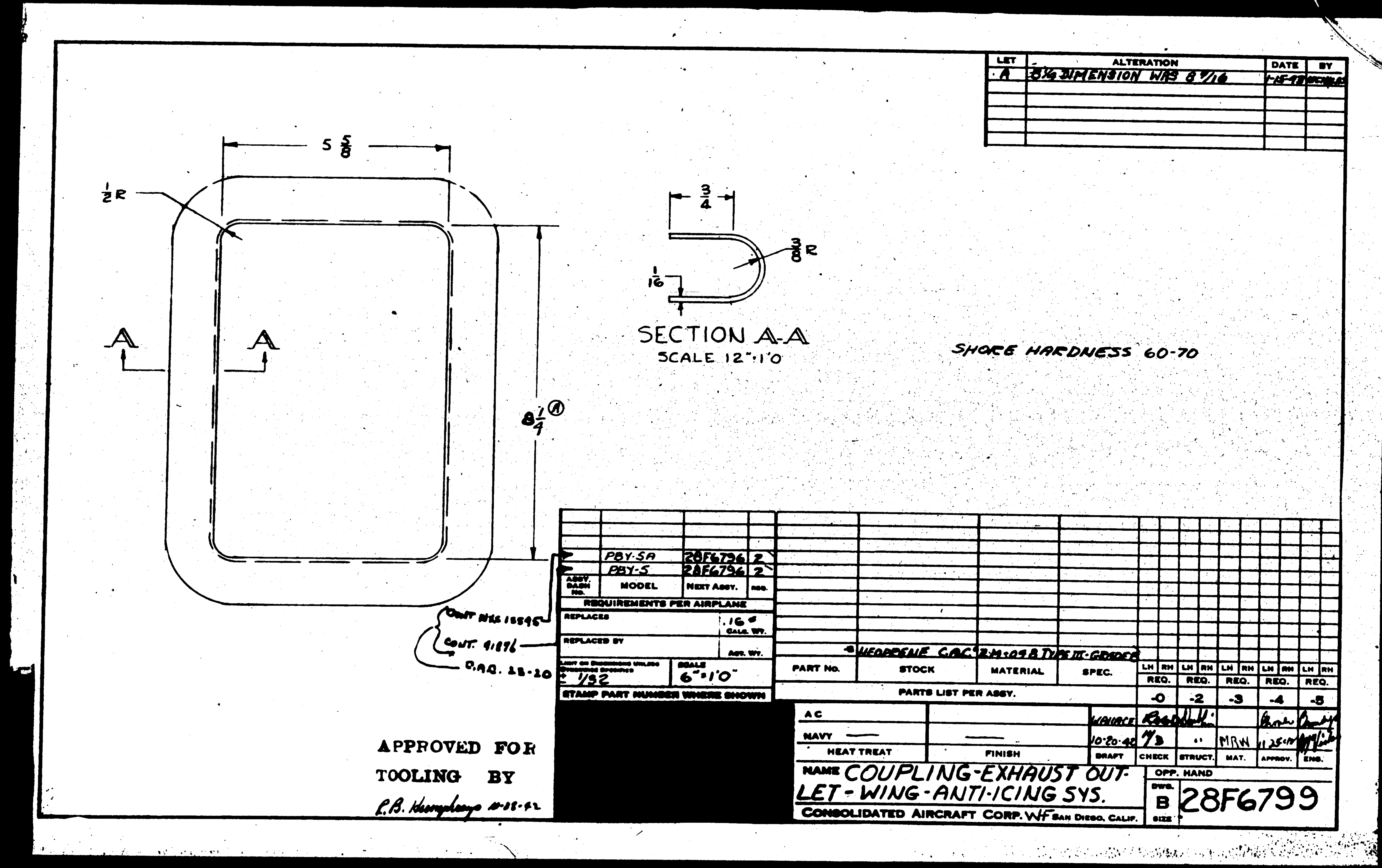
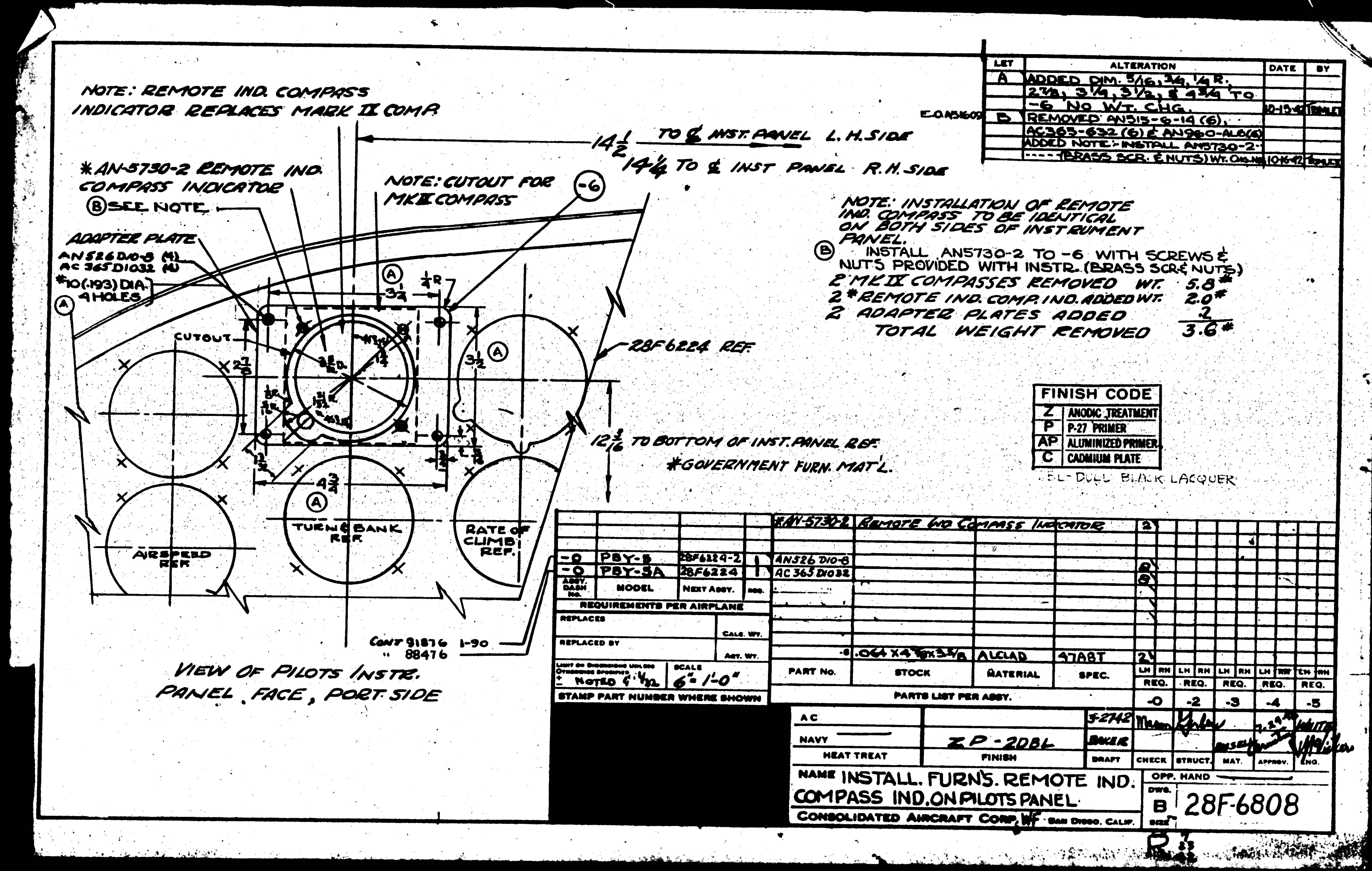


LET
ALTERATION
DATE
BY
A
ADDED 28F7597 NEXT ASS'Y
FOR PBY-5 & PBY-5A & LIMITED
NEXT ASSY 28F6724. -FROM
MCR#23-17 TO #23P FOR PBY-5
& MCR#178-12 TO #178M FOR
PBY-5A.
NO WT. CHG.
SHAW
2
5/16
9/32
1 7/32
2 7/16
3 13/16
5/8
1 1/2
1/4
1/8
1/2
11/16
Q6411-3
AN442-D4
-6
-7
-8
3
DETAIL OF SLOT IN -6 & -7 (REF.)
SCALE 12"=1'0"
DETAIL OF SLOT IN -8 (REF.)
SCALE 12"=1'0"
MCR#178 M FON
MCR#23 P & ON
MCR#178-12 TO MCR#178M
MCR#23-17 TO MCR#23-P
PBY-5A 28F7597 1
PBY-5 28F7597 1
PBY-5A 28F6724 1
PBY-5 28F6724 1
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.08
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
± 1/32
12"=1'0"
STAMP PART NUMBER WHERE SHOWN
AN442-D4
Q6411-3
-8 .064 X 1 1/8 X 3 5/8 ALCLAD 47AB-T 1
-7 .051 X 2 1/8 X 2 3/4 ALCLAD 47AB-T 1
-6 .051 X 2 1/8 X 4 5/8 ALCLAD 47AB-T 1
PART No
STOCK
MATERIAL
SPEC.
LH RH
REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
AC
NAVY
HEAT TREAT
Z-P-GP
FINISH
WALLACE
10-6-42
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NAME LOCK-FURN.-DAMPER CONT'L-EMPENNAGE-ANTI-ICING SYSTEM
OPP. HAND
DWG. SIZE B
28F6795
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
APPROVED FOR TOOLING BY
R.B. Humphreys

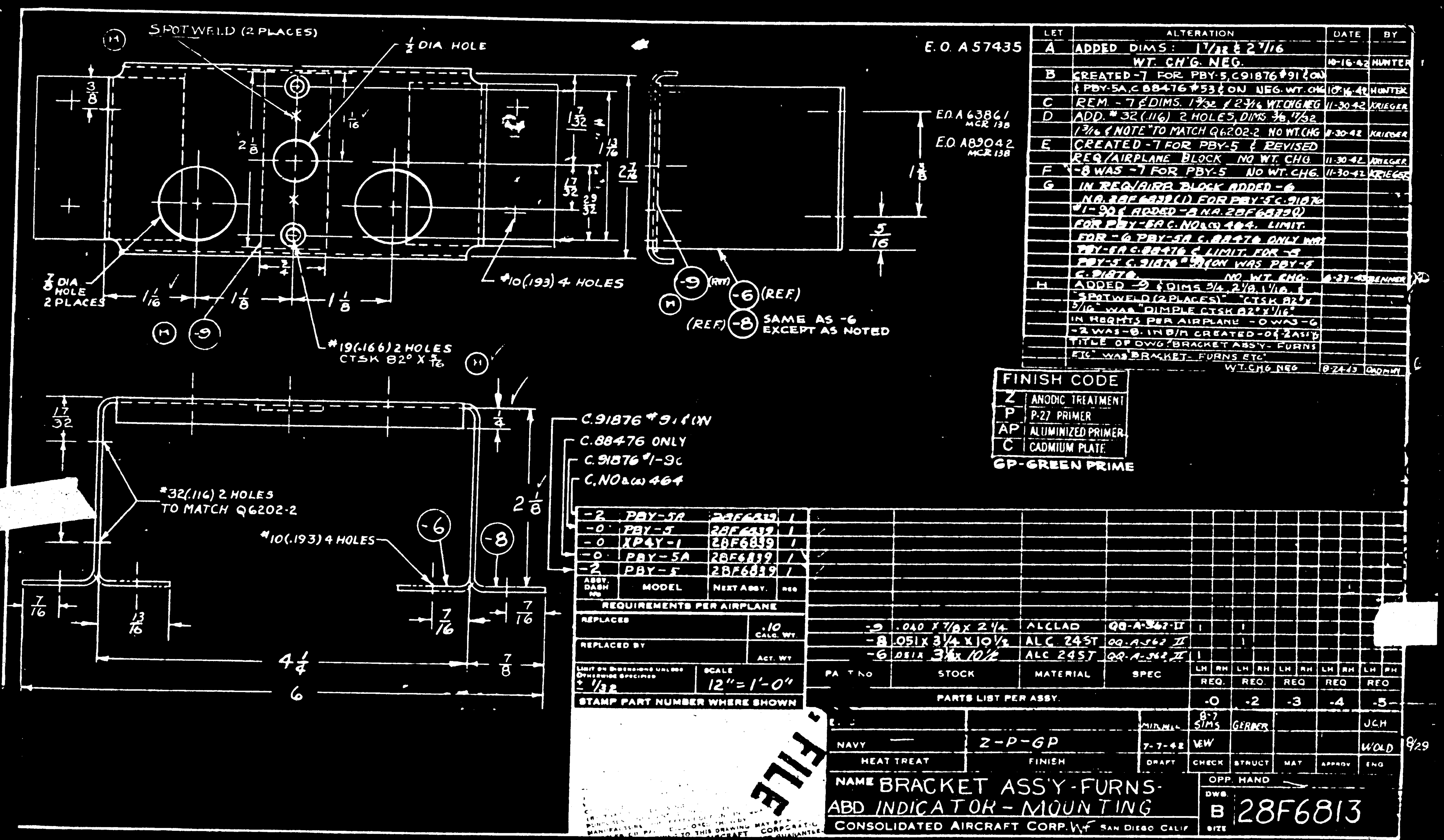

LET
ALTERATION
DATE
BY
A
DIMENSION REMOVED
DIMENSION & 90° ADDED
-7 DETAIL ADDED
-6 STOCK WAS .040 X 8½ X 11
.10 CALC. WGT. WAS .06#
15/16 R
3/4
9 13/16
5 11/16
90°
-6
9 3/4
17/32 R
5 3/4
-7
90°
9 29/32
PBY-5A 28F6706 4
PBY-5 28F6706 4
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.10 #
CALC. WT.
REPLACED BY
ACT. WT.
SCALE 6" = 1'0"
STAMP PART NUMBER WHERE SHOWN
-7 .040 X 7 X 10 ALCLAD 17AB-T 1
-6 .040 X 7 X 10 ALCLAD 17AB-T 1
PART No.
STOCK
MATERIAL
SPEC.
PARTS LIST PER ASSY.
LH RH
REQ.
-0
-2
-3
-4
-5
CONT. NVS #13595
CONT. #91876
C.A.C. 23-20
APPROVED FOR TOOLING BY
P. B. Humphreys 10-26-42
AC
NAVY
HEAT TREAT
FINISH
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
MRW
NAME PLATE-COUPLING-EXHAUST OUTLET-WING-ANTI-ICING SYS.
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO. CALIF.
OPP. HAND
DWG. SIZE
B
28F6797
R



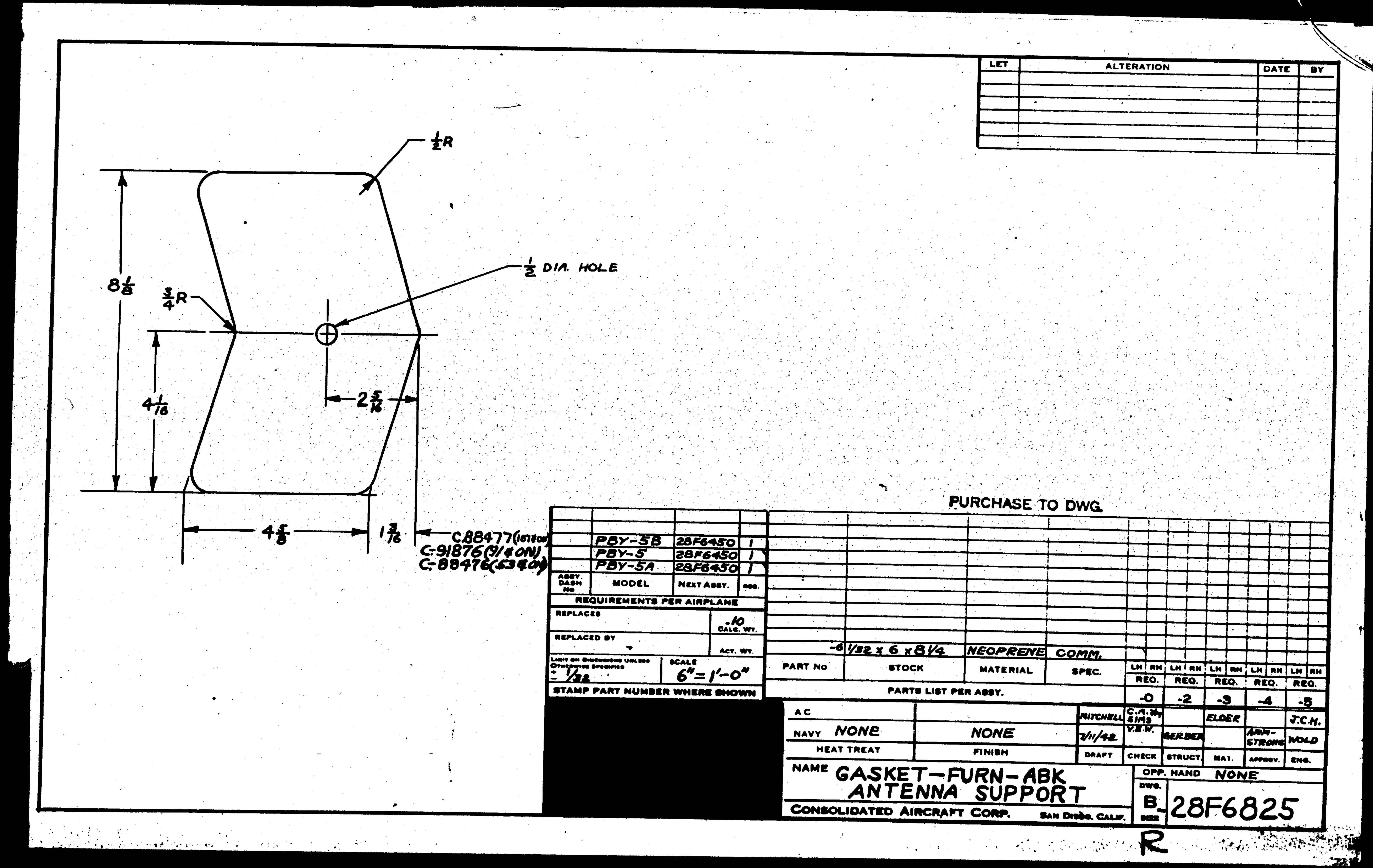
LET
ALTERATION
DATE
BY
A
5 5/8 DIMENSION WAS 8 9/16
5 5/8
1/2 R
3/4
3/8 R
1/16
SECTION A-A
SCALE 12"=1'0
A
A
SHORE HARDNESS 60-70
8 1/4 (A)
PBY-5A
28F6796
2
PBY-5
28F6796
2
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.16#
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
6"=1'0"
± 1/32
STAMP PART NUMBER WHERE SHOWN
CONT. NO. 15545
CONT. 91896
C.A.C. 28-20
-0 NEOPRENE C.A.C. 2M-048 TYPE III-GRADE
PART No.
STOCK
MATERIAL
SPEC.
LH
RH
REQ.
PARTS LIST PER ASSY.
-0
-2
-3
-4
-5
AC
NAVY
HEAT TREAT
FINISH
WALLACE
10-20-42
DRAFT
CHECK
STRUCT.
MRW
MAT.
APPROV.
ENG.
NAME COUPLING-EXHAUST OUT-LET-WING-ANTI-ICING SYS.
OPP. HAND
DWG.
B
28F6799
SIZE
CONSOLIDATED AIRCRAFT CORP. WF SAN DIEGO, CALIF.
APPROVED FOR
TOOLING BY
P.B. Humphreys 10-28-42



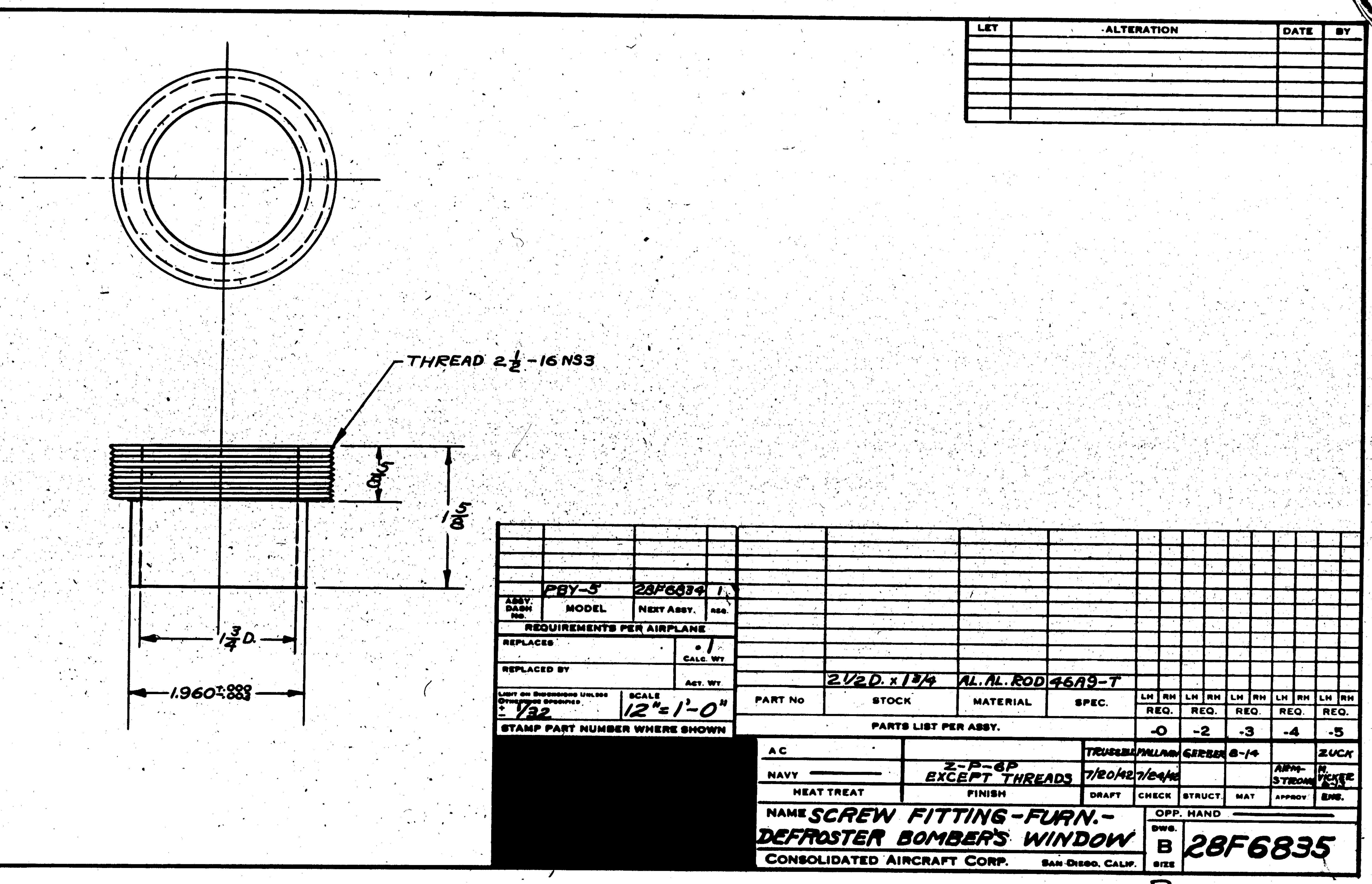
NOTE: REMOTE IND. COMPASS INDICATOR REPLACES MARK IX COMP.
*AN-5730-2 REMOTE IND. COMPASS INDICATOR
(B) SEE NOTE
NOTE: CUTOUT FOR MK II COMPASS
14 1/2 TO ℄ INST. PANEL L.H. SIDE
14 1/4 TO ℄ INST PANEL R.H. SIDE
-6
ADAPTER PLATE
AN526D10-8 (4)
AC365D1032 (4)
#10 (.193) DIA. 4 HOLES
CUTOUT
3 1/4
1/4 R
3 1/2
4 3/4
12 3/16 TO BOTTOM OF INST. PANEL REF.
28F6224 REF.
#GOVERNMENT FURN. MAT'L.
AIRSPEED REF.
TURN & BANK REF.
RATE OF CLIMB REF.
CONT 91876 1-90
" 88476
VIEW OF PILOTS INSTR. PANEL FACE, PORT SIDE
NOTE: INSTALLATION OF REMOTE IND. COMPASS TO BE IDENTICAL ON BOTH SIDES OF INSTRUMENT PANEL.
(B) INSTALL AN5730-2 TO -6 WITH SCREWS & NUTS PROVIDED WITH INSTR. (BRASS SCR. & NUTS)
2 MK IX COMPASSES REMOVED WT. 5.8#
2 *REMOTE IND. COMP. IND. ADDED WT. 2.0#
2 ADAPTER PLATES ADDED .2
TOTAL WEIGHT REMOVED 3.6#
LET | ALTERATION | DATE | BY
A | ADDED DIM. 5/16, 3/4, 1/4 R, 2 7/8, 3 1/4, 3 1/2, & 4 3/4 TO -6 NO WT. CHG. | 10-15-42
E.O. A51609 B | REMOVED AN515-6-14 (6), AC365-632 (6) & AN960-AL6 (6) ADDED NOTE: INSTALL AN5730-2 ---- (BRASS SCR. & NUTS) WT. CHG. NONE | 10-16-42
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
BL - DULL BLACK LACQUER
#AN-5730-2 REMOTE IND COMPASS INDICATOR 2
-0 PBY-5 28F6224-2 1 AN526D10-8
-0 PBY-5A 28F6224 1 AC365D1032
ASSY. DASH NO. MODEL NEXT ASSY. REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
REPLACED BY
CALC. WT.
ACT. WT.
-6 .064 X 4 3/4 X 3 5/8 ALCLAD 47ABT 2
PART No. STOCK MATERIAL SPEC.
LH RH REQ. -0 -2 -3 -4 -5
PARTS LIST PER ASSY.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± NOTED & 1/32
SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
AC
NAVY
HEAT TREAT
ZP-2DBL
FINISH
DRAFT CHECK STRUCT. MAT. APPROV. ENG.
NAME INSTALL. FURN'S. REMOTE IND. COMPASS IND. ON PILOTS PANEL
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP. HAND
DWG. SIZE B
28F-6808



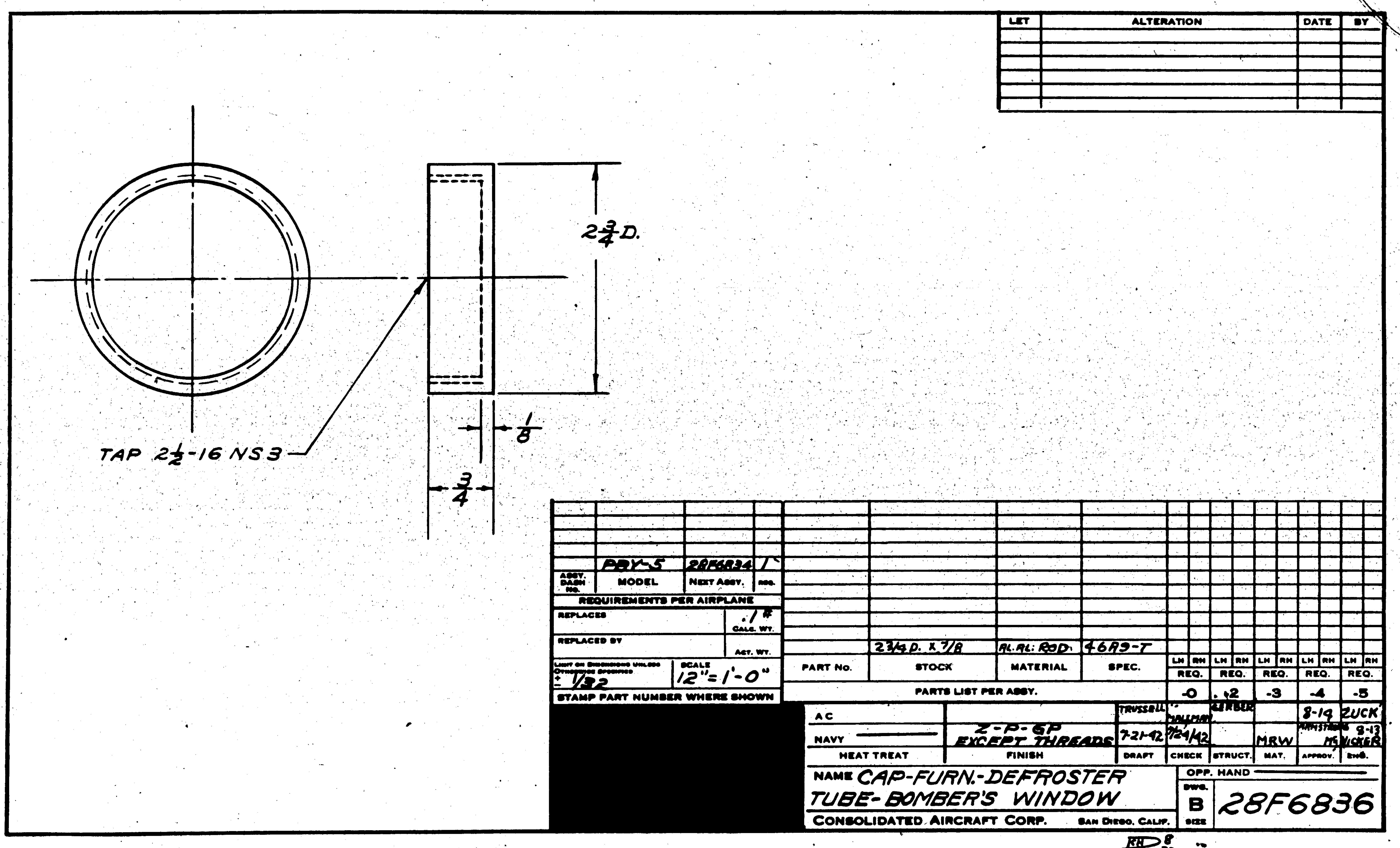
SPOTWELD (2 PLACES)
1/2 DIA HOLE
E.O. A57435
E.O. A63861 MCR 138
E.O. A89042 MCR 138
7/8 DIA HOLE 2 PLACES
#10(.193) 4 HOLES
#19(.166) 2 HOLES CTSK 82° X 5/16
(REF.) -8 SAME AS -6 EXCEPT AS NOTED
-6 (REF.)
#32(.116) 2 HOLES TO MATCH Q6202-2
#10(.193) 4 HOLES
C.91876 #91 & ON
C.88476 ONLY
C.91876 #1-90
C.NO.s(a) 464
LET | ALTERATION | DATE | BY
A ADDED DIMS: 1 7/32 & 2 7/16 WT. CH'G. NEG. 10-16-42 HUNTER
B CREATED -7 FOR PBY-5, C91876 #91 & ON & PBY-5A, C88476 #53 & ON NEG. WT. CHG 10-16-42 HUNTER
C REM. -7 & DIMS. 1 9/32 & 2 3/16 WT. CHG NEG 11-30-42 KRIEGER
D ADD. #32 (.116) 2 HOLES, DIMS 3/8, 17/32, 1 3/16 & NOTE "TO MATCH Q6202-2 NO WT. CHG 11-30-42 KRIEGER
E CREATED -7 FOR PBY-5 & REVISED REQ/AIRPLANE BLOCK NO WT. CHG. 11-30-42 KRIEGER
F -8 WAS -7 FOR PBY-5 NO WT. CHG. 11-30-42 KRIEGER
G IN REQ/AIRP. BLOCK ADDED -6 N.A. 28F6839(1) FOR PBY-5 C.91876 #1-90 & ADDED -8 N.A. 28F6839(1) FOR PBY-5A C.NO.s(a) 464. LIMIT. FOR -6 PBY-5A C.88476 ONLY WAS PBY-5A C.88476 & LIMIT. FOR -8 PBY-5 C.91876 #91 & ON WAS PBY-5 C.91876. NO WT. CHG.
H ADDED -9 & DIMS 3/4, 2 1/8, 1 1/16 & "SPOTWELD (2 PLACES)". "CTSK 82° X 5/16" WAS "DIMPLE CTSK 82° X 5/16" IN REQMTS PER AIRPLANE -0 WAS -6 -2 WAS -8. IN B/M CREATED -0 & -2 ASS'Y. TITLE OF DWG "BRACKET ASS'Y - FURNS ETC" WAS "BRACKET - FURNS ETC" WT. CHG NEG 8-24-43
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
GP-GREEN PRIME
-2 PBY-5A 28F6839 1
-0 PBY-5 28F6839 1
-0 XP4Y-1 28F6839 1
-0 PBY-5A 28F6839 1
-2 PBY-5 28F6839 1
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ
REQUIREMENTS PER AIRPLANE
REPLACES
.10 CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
-9 .040 X 7/8 X 2 1/4 ALCLAD QQ-A-362-II 1 1
-8 .051 X 3 1/4 X 10 1/2 ALC 24ST QQ-A-362 II 1
-6 .051 X 3 1/4 X 10 1/2 ALC 24ST QQ-A-362 II 1
PART NO | STOCK | MATERIAL | SPEC | LH RH REQ. -0 | -2 | -3 | -4 | -5
PARTS LIST PER ASSY.
NAVY
Z-P-GP
HEAT TREAT
FINISH
7-7-42 VEW SIMS GERBER JCH WOLD
DRAFT CHECK STRUCT MAT APPROV ENG
FILE
NAME BRACKET ASS'Y - FURNS - ABD INDICATOR - MOUNTING
OPP. HAND
DWG. B 28F6813
SIZE
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF
R



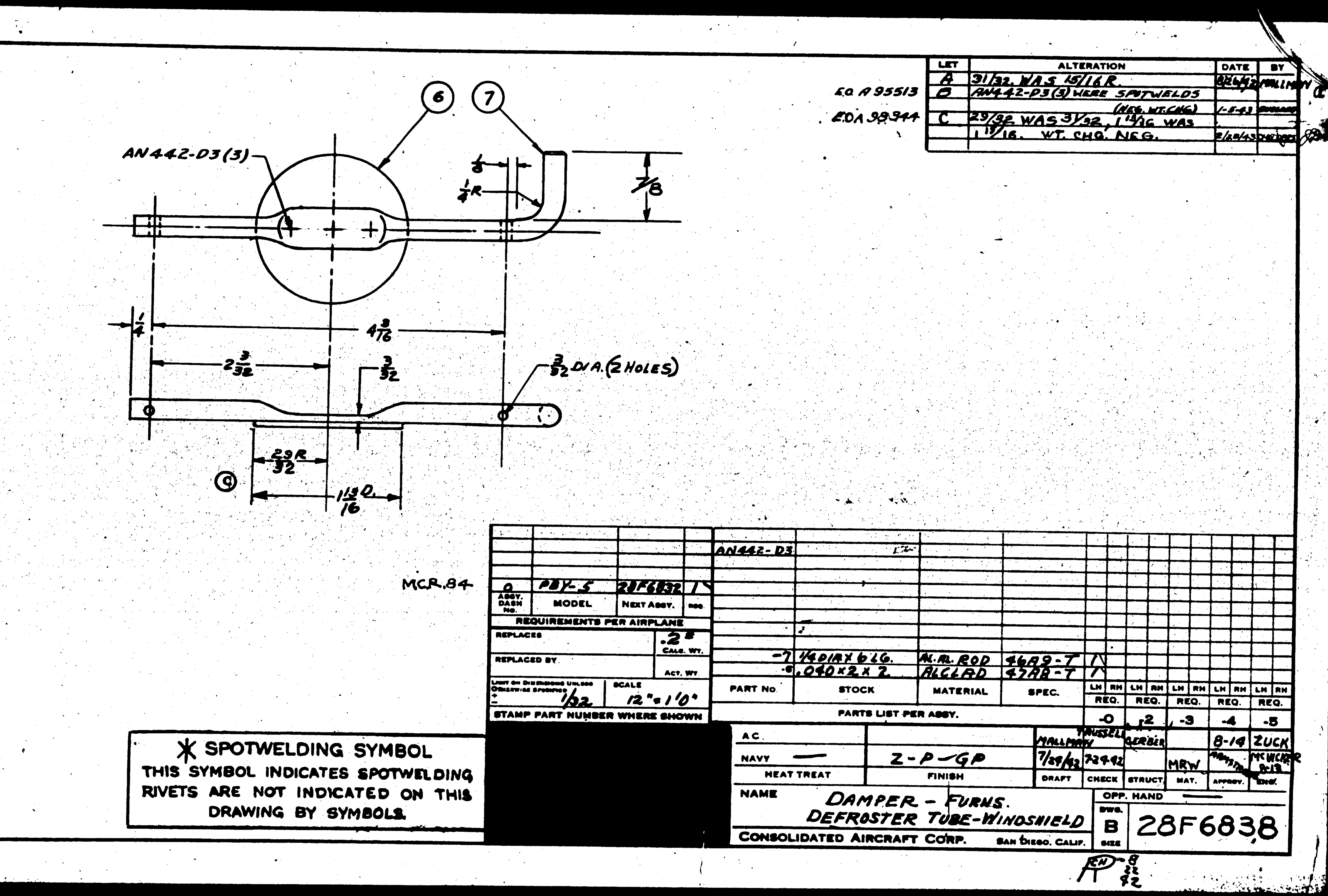
LET
ALTERATION
DATE
BY
1/2 R
1/2 DIA. HOLE
8 1/8
3/4 R
4 1/16
2 5/16
4 5/8
1 3/16
C88477 (151&ON)
C-91876 (91&ON)
C-88476 (53&ON)
PURCHASE TO DWG.
PBY-5B 28F6450 1
PBY-5 28F6450 1
PBY-5A 28F6450 1
ASSY. DASH No
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.10 CALC. WT.
REPLACED BY
ACT. WT.
SCALE 6" = 1'-0"
± 1/32
STAMP PART NUMBER WHERE SHOWN
-6 1/32 x 6 x 8 1/4
NEOPRENE
COMM.
PART No
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
AC
NAVY NONE
NONE
HEAT TREAT
FINISH
MITCHELL 7/11/42
DRAFT
C.A.
SIMS
V.E.W.
CHECK
GERBER
STRUCT.
ELDER
MAT.
ARM-STRONG
APPROV.
J.C.H.
WOLD
ENG.
NAME GASKET—FURN—ABK ANTENNA SUPPORT
OPP. HAND NONE
DWG. SIZE B- 28F6825
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R



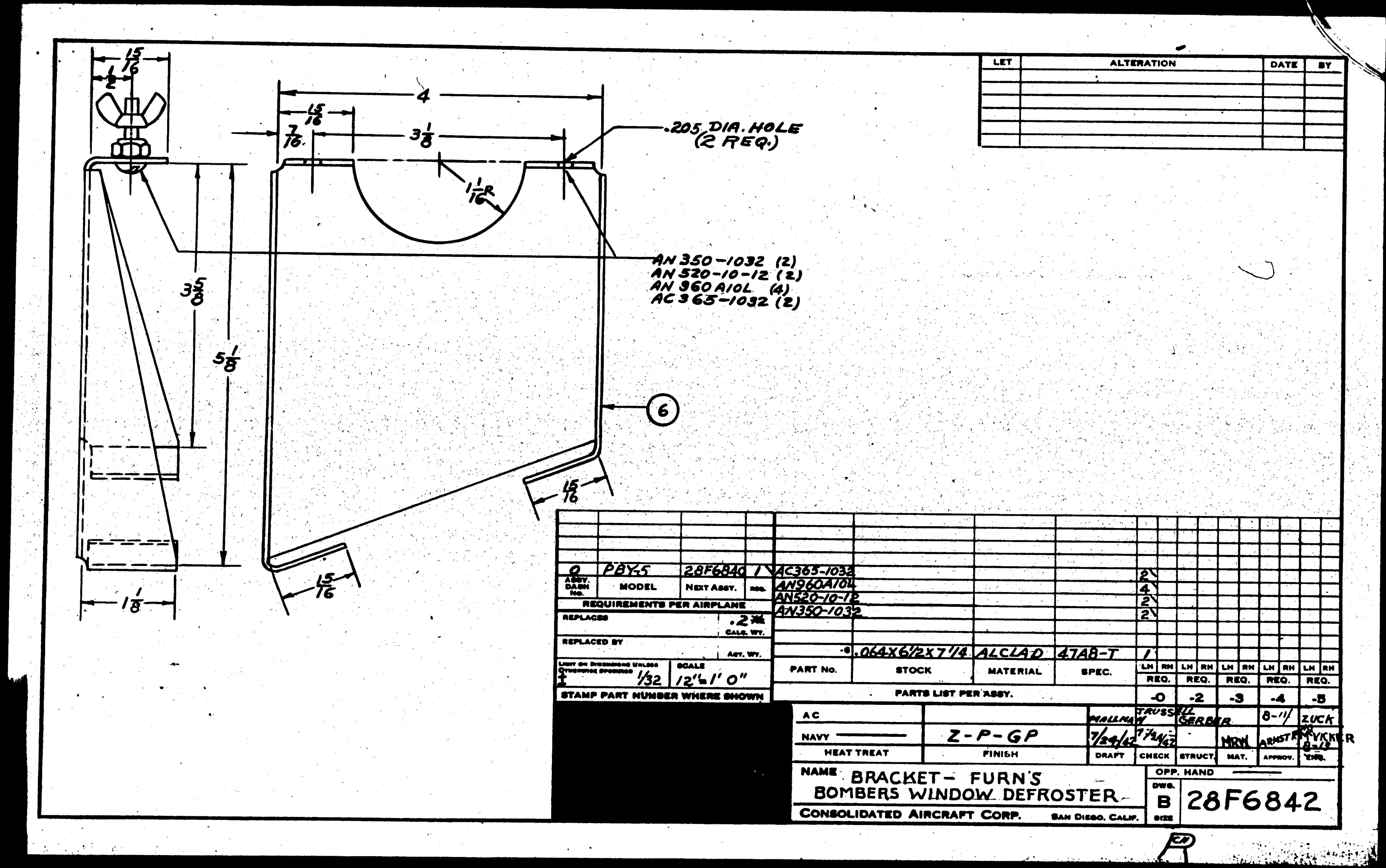
LET
ALTERATION
DATE
BY
THREAD 2 1/2 -16 NS3
.045
1 5/8
1 3/4 D.
1.960 +.000 -.003
PBY-5
28F6834
1
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.1
CALC. WT
REPLACED BY
ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/32
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
2 1/2 D. x 1 3/4
AL. AL. ROD
46A9-T
PART No
STOCK
MATERIAL
SPEC.
LH RH REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
AC
NAVY
HEAT TREAT
Z-P-6P
EXCEPT THREADS
FINISH
TRUSSELL
PALLMAN
GERBER
8-14
ZUCK
7/20/42
7/24/42
ARM-STRONG
H. VICKERS
DRAFT
CHECK
STRUCT.
MAT
APPROV
ENG.
NAME SCREW FITTING-FURN.-
DEFROSTER BOMBER'S WINDOW
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
OPP. HAND
DWG.
B
SIZE
28F6835
R



LET
ALTERATION
DATE
BY
2¾ D.
TAP 2½-16 NS 3
⅛
¾
PBY-5
28F6834
1
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.1#
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/32
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
2¾ D. X 7/8
AL. AL. ROD
46A9-T
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
AC
NAVY
Z-P-GP
EXCEPT THREADS
HEAT TREAT
FINISH
TRUSSELL
7-21-42
HALEMAN
7/24/42
GERBER
MRW
8-14
ZUCK
8-13
McVICKER
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NAME CAP-FURN.-DEFROSTER TUBE-BOMBER'S WINDOW
OPP. HAND
DWG.
B
SIZE
28F6836
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.

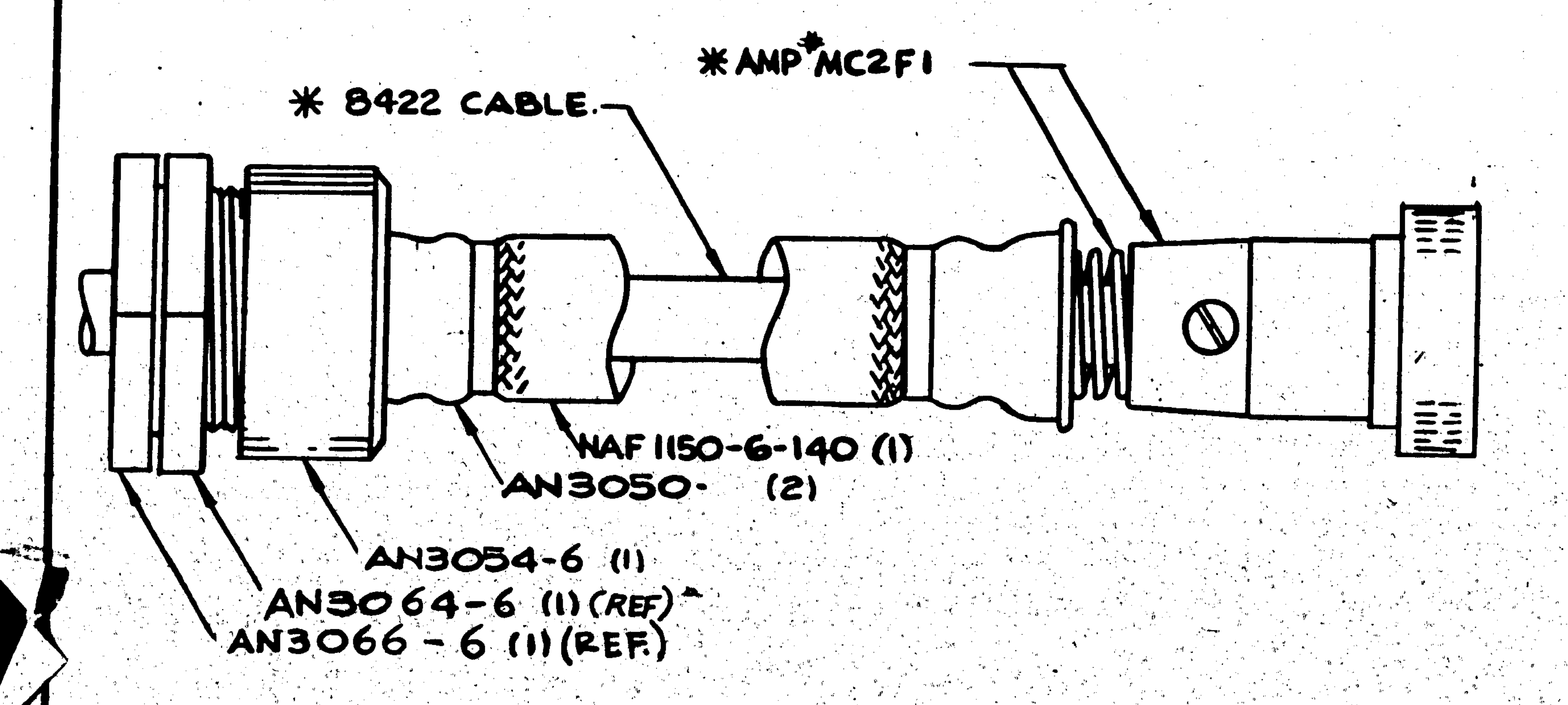


LET
ALTERATION
DATE
BY
A
31/32 WAS 15/16R.
E.O. A 95513
B
AN442-D3(3) WERE SPOTWELDS
(NEG. WT. CHG)
1-5-43
E.O.A 98344
C
29/32 WAS 31/32, 1 13/16 WAS 1 15/16. WT. CHG. NEG.
6
7
AN442-D3(3)
1/8
1/4 R
7/8
1/4
4 3/16
2 3/32
3/32
3/32 DIA. (2 HOLES)
29/32 R
1 13/16 D.
9
MCR 84
AN442-D3
0
PBY-5
28F6832
1
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
REPLACED BY
.2
CALC. WT.
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
1/32
SCALE
12" = 1'0"
STAMP PART NUMBER WHERE SHOWN
-7
1/4 DIA X 6 LG.
AL. AL. ROD
46A9-T
1
-6
.040 x 2 x 2
ALCLAD
47A8-T
1
PART No.
STOCK
MATERIAL
SPEC.
LH
RH
REQ.
PARTS LIST PER ASSY.
-0
-2
-3
-4
-5
SPOTWELDING SYMBOL
THIS SYMBOL INDICATES SPOTWELDING
RIVETS ARE NOT INDICATED ON THIS
DRAWING BY SYMBOLS.
A.C.
NAVY
Z-P-GP
HEAT TREAT
FINISH
MALLMAN
7/29/42
7-29-42
GERBER
MRW
8-14
ZUCK
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NAME
DAMPER - FURNS.
DEFROSTER TUBE-WINDSHIELD
OPP. HAND
DWG. SIZE
B
28F6838
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.



15/16
1/2
4
15/16
7/16
3 1/8
.205 DIA. HOLE (2 REQ.)
1 1/16 R
AN 350-1032 (2)
AN 520-10-12 (2)
AN 960 A10L (4)
AC 365-1032 (2)
3 5/8
5 1/8
6
15/16
15/16
1 1/8
LET
ALTERATION
DATE
BY
0
PBY-5
28F6840
1
AC365-1032
AN960A10L
AN520-10-12
AN350-1032
2
4
2
2
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.2
CALC. WT.
REPLACED BY
ACT. WT.
1/32
SCALE
12"=1' 0"
STAMP PART NUMBER WHERE SHOWN
-6
.064X6 1/2X7 1/4
ALCLAD
47A8-T
1
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
-0 -2 -3 -4 -5
PARTS LIST PER ASSY.
[redacted]
AC
NAVY
Z-P-GP
HEAT TREAT
FINISH
MALLMAN
7/29/42
DRAFT
TRUSSELL
CHECK
GERBER
STRUCT.
MAT.
8-11
APPROV.
ZUCK
VICKER
8-13
ENG.
OPP. HAND
NAME BRACKET - FURN'S
BOMBERS WINDOW DEFROSTER
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
DWG.
B
SIZE
28F6842

LET	ALTERATION	DATE	BY
A	CONTRACT NOTE FOR PBY-5 "91876 & 806 ON" REMOVED	9/16/42	[illegible]
	REMOVED 28F5496 AS NEXT ASS'Y FOR PBY-5		



NOTE:— FOR REF ON G.F.E. PLUG & CABLE SEE BU. OF AERO. DWG. 7889-37

CONT. # 88476 (53 & ON)

✱ DENOTES GOV'T FURNISHED EQUIP.

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
	PBY5-A	28F5496	1

REQUIREMENTS PER AIRPLANE

REPLACES — 43 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 24" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 LH/RH REQ.	-2 LH/RH REQ.	-3 LH/RH REQ.	-4 LH/RH REQ.	-5 LH/RH REQ.
✱ 8422	BELDEN # 8422 X 44"			1				
✱ AMP MC2F1	AMP MC2F1			1				
NAF 1150-6-140 FLEX COND.				1				
AN3050-6				2				
AN3054-6				1				

PARTS LIST PER ASSY.

AC		DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.
NAVY		R. SMITH 8-3-42	SIMS 8-3 NEW	GERBER	JFR	GRONER 8/6/42	J.S.S. WOLD
HEAT TREAT	FINISH						

8/5

NAME CABLE ASSY. FURNS. P'W'R DIST. BOX TO ANT. SWITCHING UNIT A.S.V. EQUIP.

OPP. HAND NONE

DWG. SIZE B — 28F6856

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

LET	ALTERATION	DATE	BY

11/16

1/4 R

1/4 DIA. HOLE - 2 REQ.

2 7/16

C #91876 SHIPS #91 ON

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
	PBY-5	28F6859	1

REQUIREMENTS PER AIRPLANE

REPLACES — .02 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32

SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	REQ. -0 (LH/RH)	REQ. -2 (LH/RH)	REQ. -3 (LH/RH)	REQ. -4 (LH/RH)	REQ. -5 (LH/RH)
-0	.025 X 5/8 X 4 7/8	CH. MOLY. SHT	AN-QQS-685	1				

PARTS LIST PER ASSY.

AC		DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.
NAVY ———	C-P-GP	LINN 9-5-42	9-7-42			9-11-42	
HEAT TREAT	FINISH						

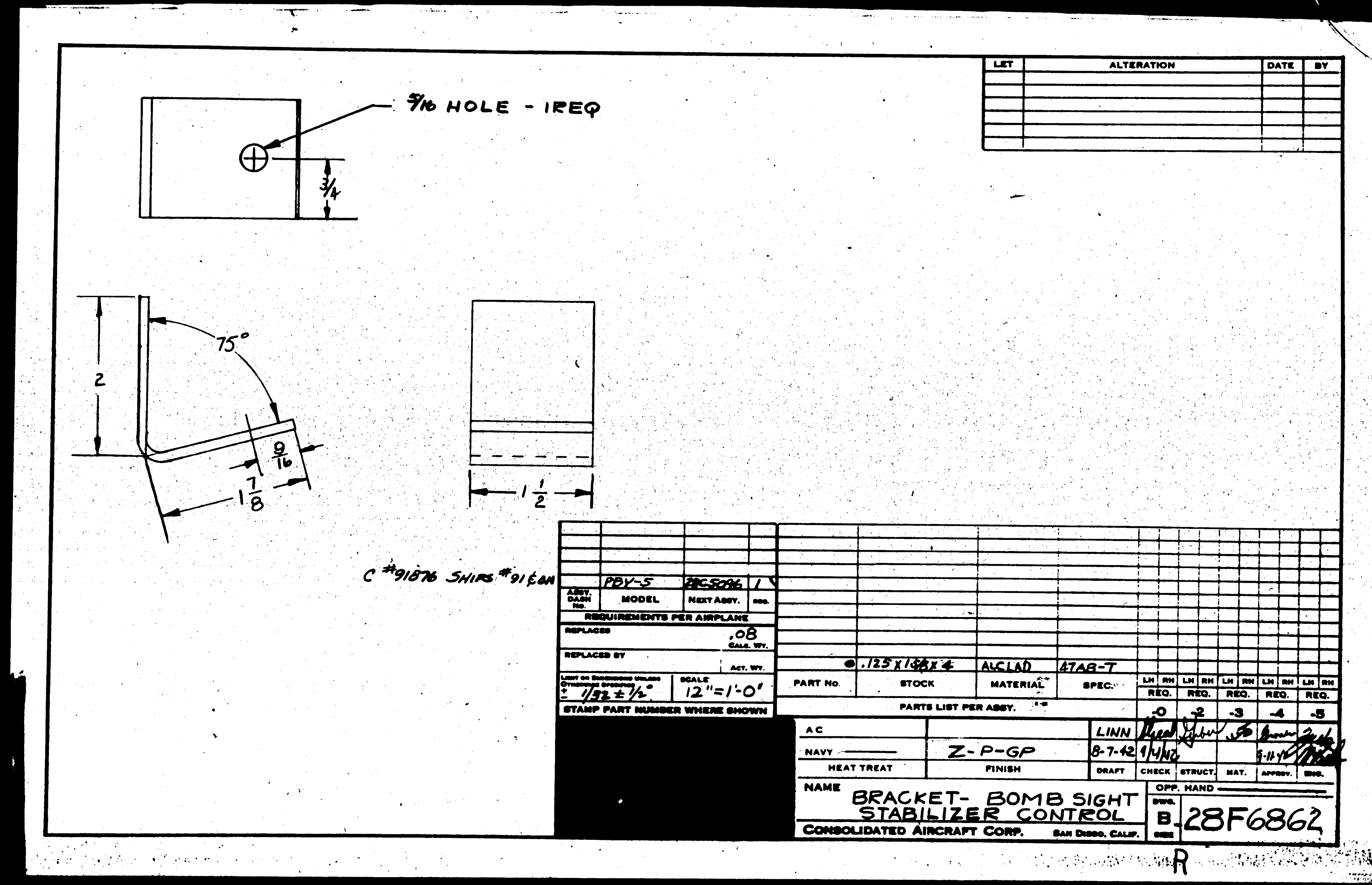
NAME GUARD - MK. 15 BOMB SIGHT ADAPTER SPOOL

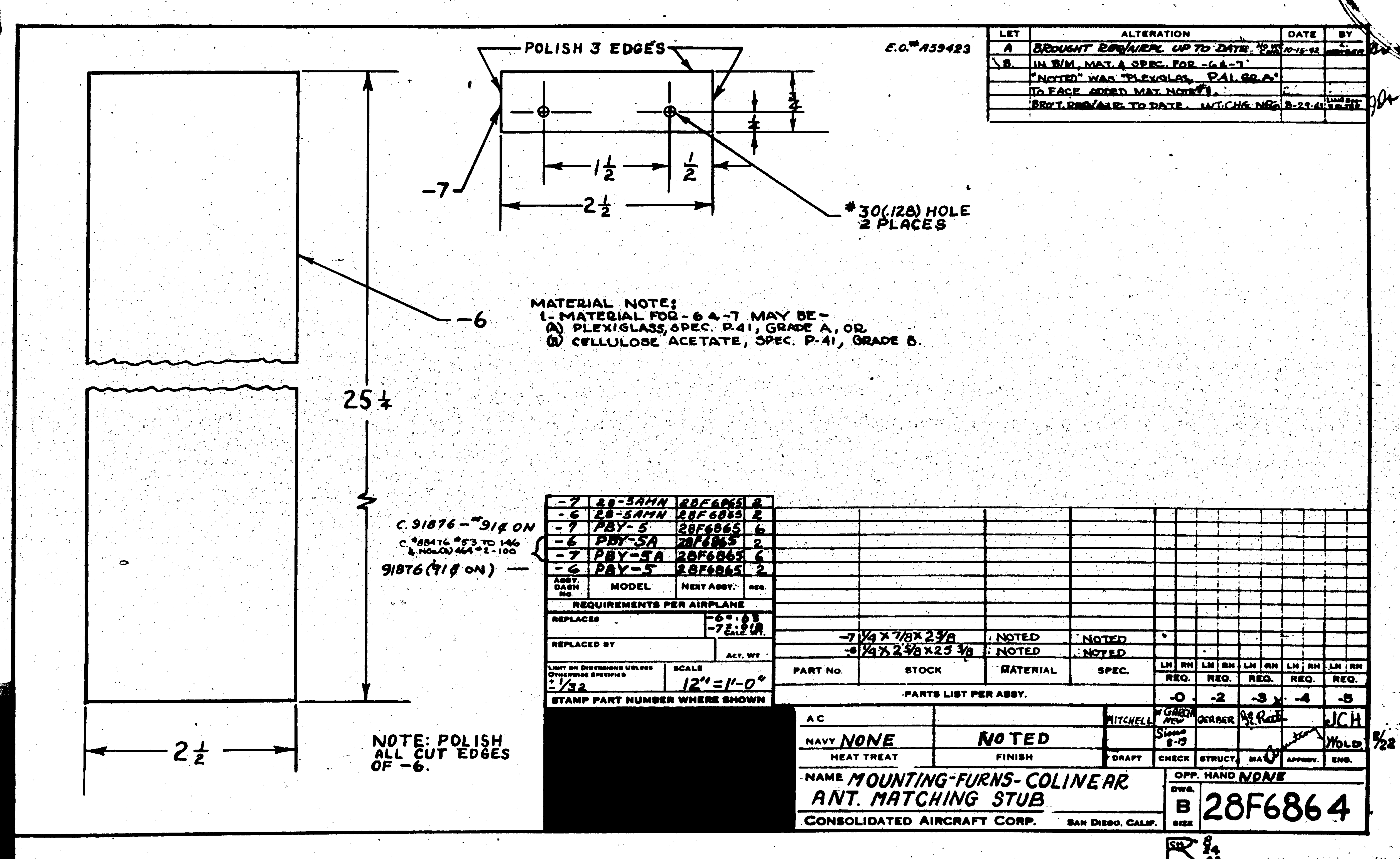
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

OPP. HAND

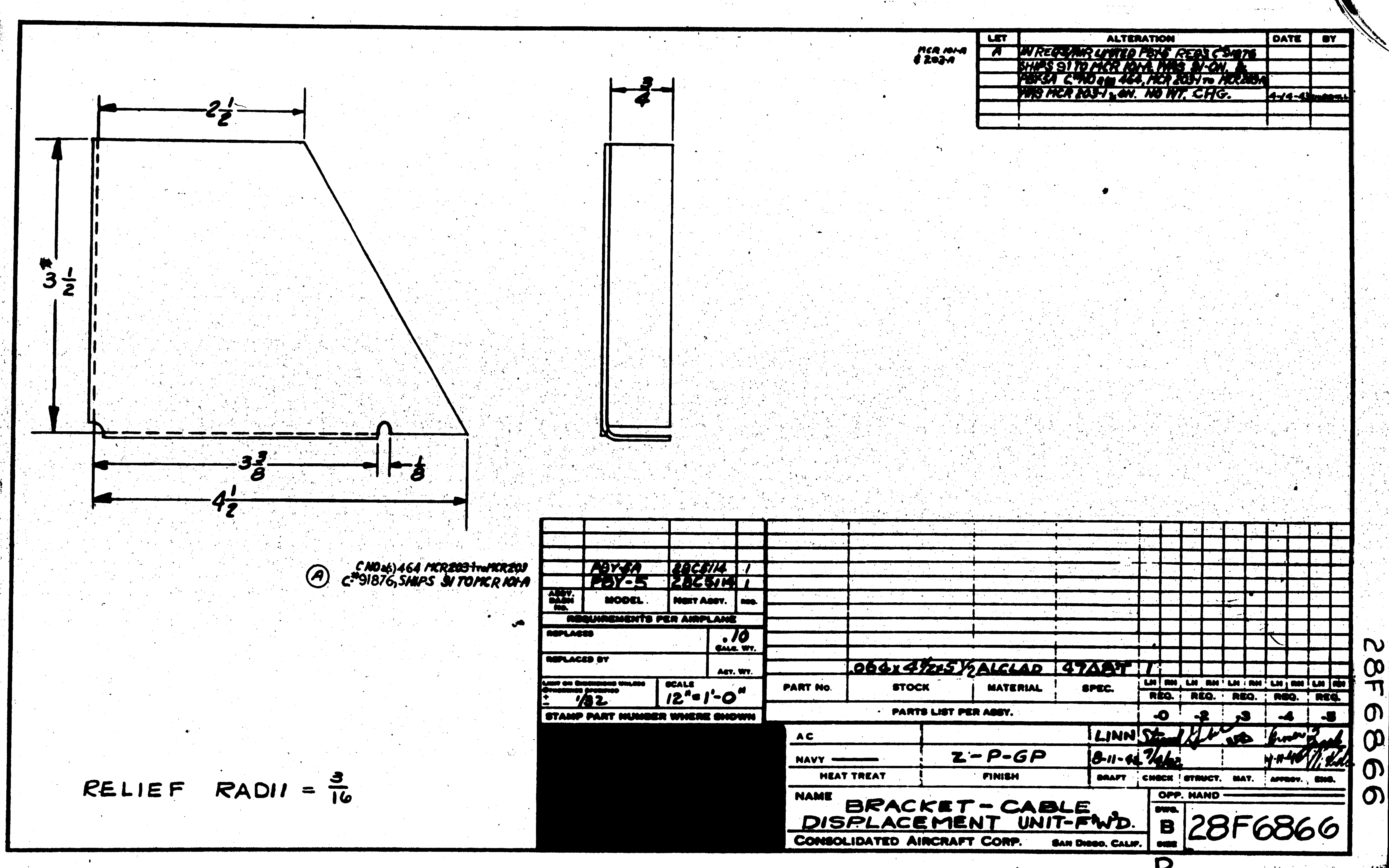
DWG. SIZE B — 28F6858

R 8/42

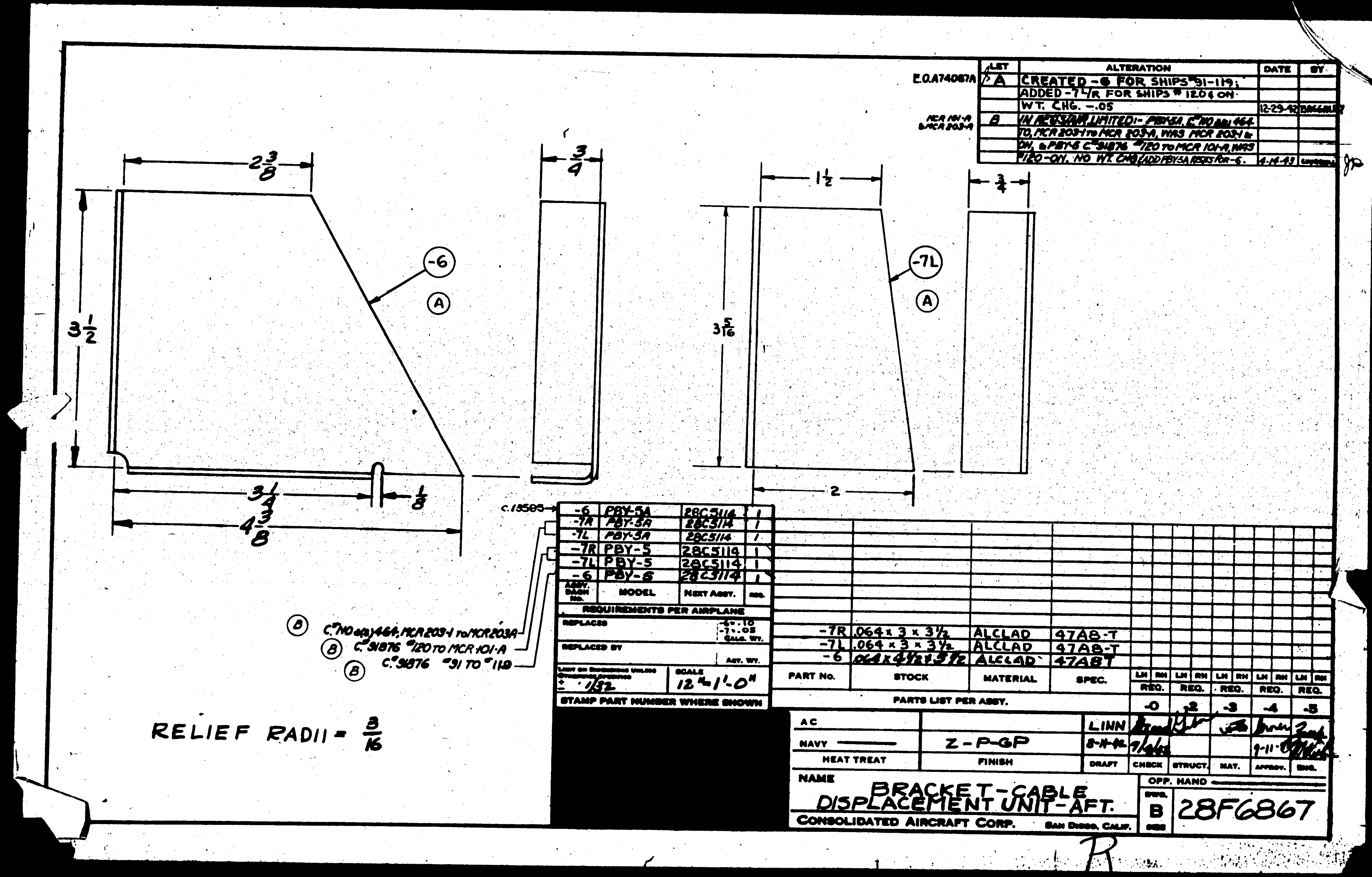

LET
ALTERATION
DATE
BY
5/16 HOLE - 1REQ
3/4
75°
2
9/16
1 7/8
1 1/2
C #91876 SHIPS #91 & ON
PBY-5
1
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.08
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
± 1/32 ± 1/2°
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.125 X 1 5/8 X 4
ALCLAD
47A8-T
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
AC
NAVY
Z-P-GP
HEAT TREAT
FINISH
LINN
8-7-42
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NAME
BRACKET- BOMB SIGHT STABILIZER CONTROL
OPP. HAND
DWG.
B
28F6862
SIZE
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
R

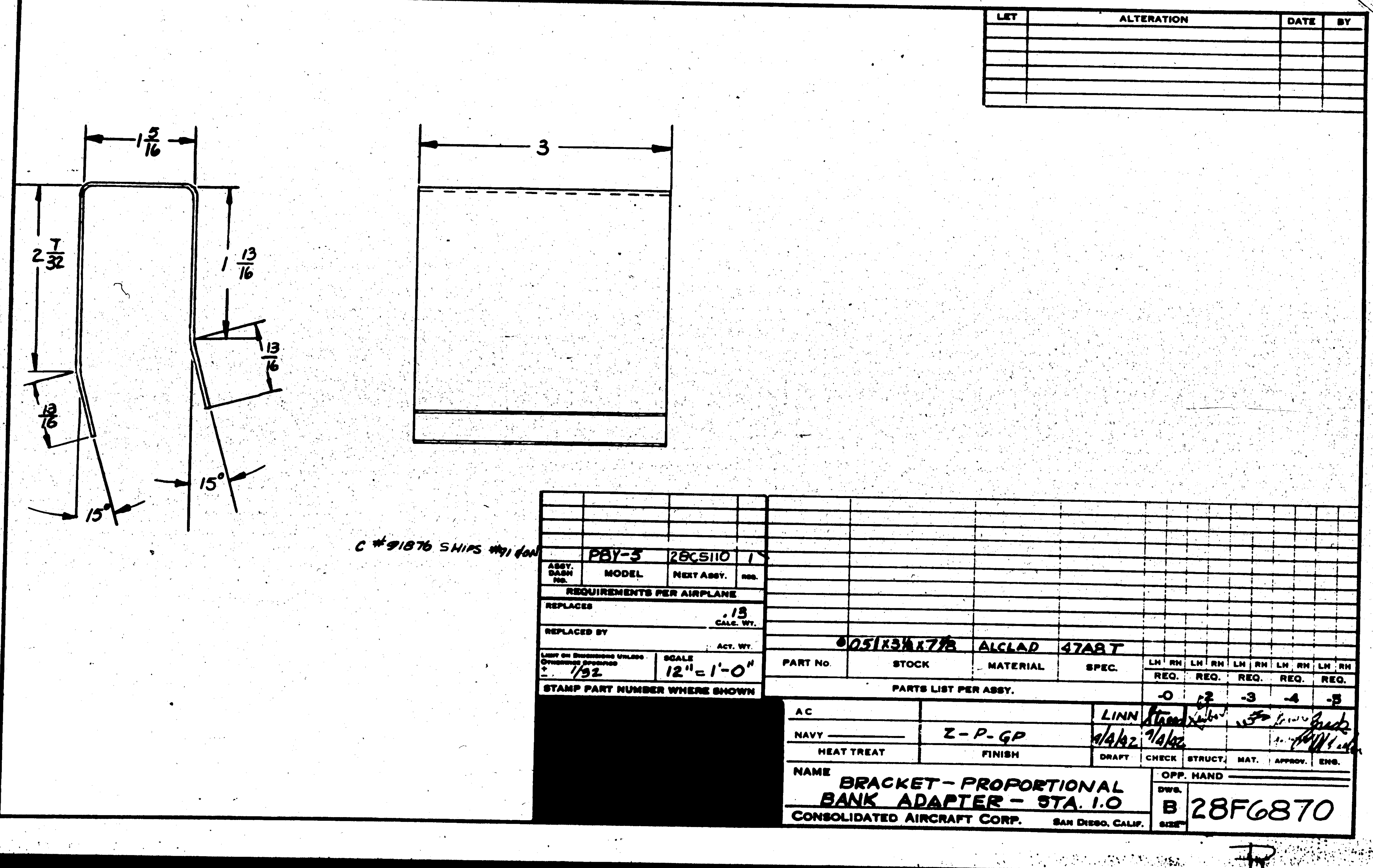


POLISH 3 EDGES
E.O.# 159423
LET
ALTERATION
DATE
BY
A
BROUGHT REQ/AIRPL UP TO DATE
10-15-42
B.
IN B/M, MAT. & SPEC. FOR -6 & -7
"NOTED" WAS "PLEXIGLAS, P41 GR A"
TO FACE ADDED MAT. NOTE #1.
BRO'T. REQ/AIR. TO DATE. WT. CHG. NEG.
-7
1 1/2
1/2
2 1/2
3/4
1/4
#30 (.128) HOLE 2 PLACES
-6
MATERIAL NOTE:
1- MATERIAL FOR -6 & -7 MAY BE-
(A) PLEXIGLASS, SPEC. P.41, GRADE A, OR
(B) CELLULOSE ACETATE, SPEC. P-41, GRADE B.
25 1/4
C. 91876 - #91 & ON
C. #88476 #53 TO 146
& NOs.(A) 464 #2-100
91876 (91 & ON)
-7 | 28-5AMN | 28F6865 | 2
-6 | 28-5AMN | 28F6865 | 2
-7 | PBY-5 | 28F6865 | 6
-6 | PBY-5A | 28F6865 | 2
-7 | PBY-5A | 28F6865 | 6
-6 | PBY-5 | 28F6865 | 2
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/32
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
-7 1/4 x 7/8 x 2 3/8
-6 1/4 x 2 5/8 x 25 3/8
NOTED
NOTED
NOTED
NOTED
PART NO.
STOCK
MATERIAL
SPEC.
LH
RH
REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
AC
NAVY NONE
NOTED
HEAT TREAT
FINISH
MITCHELL
GERBER
JCH
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NOTE: POLISH ALL CUT EDGES OF -6.
2 1/2
NAME MOUNTING-FURNS-COLINEAR ANT. MATCHING STUB
OPP. HAND NONE
DWG. SIZE B
28F6864
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.

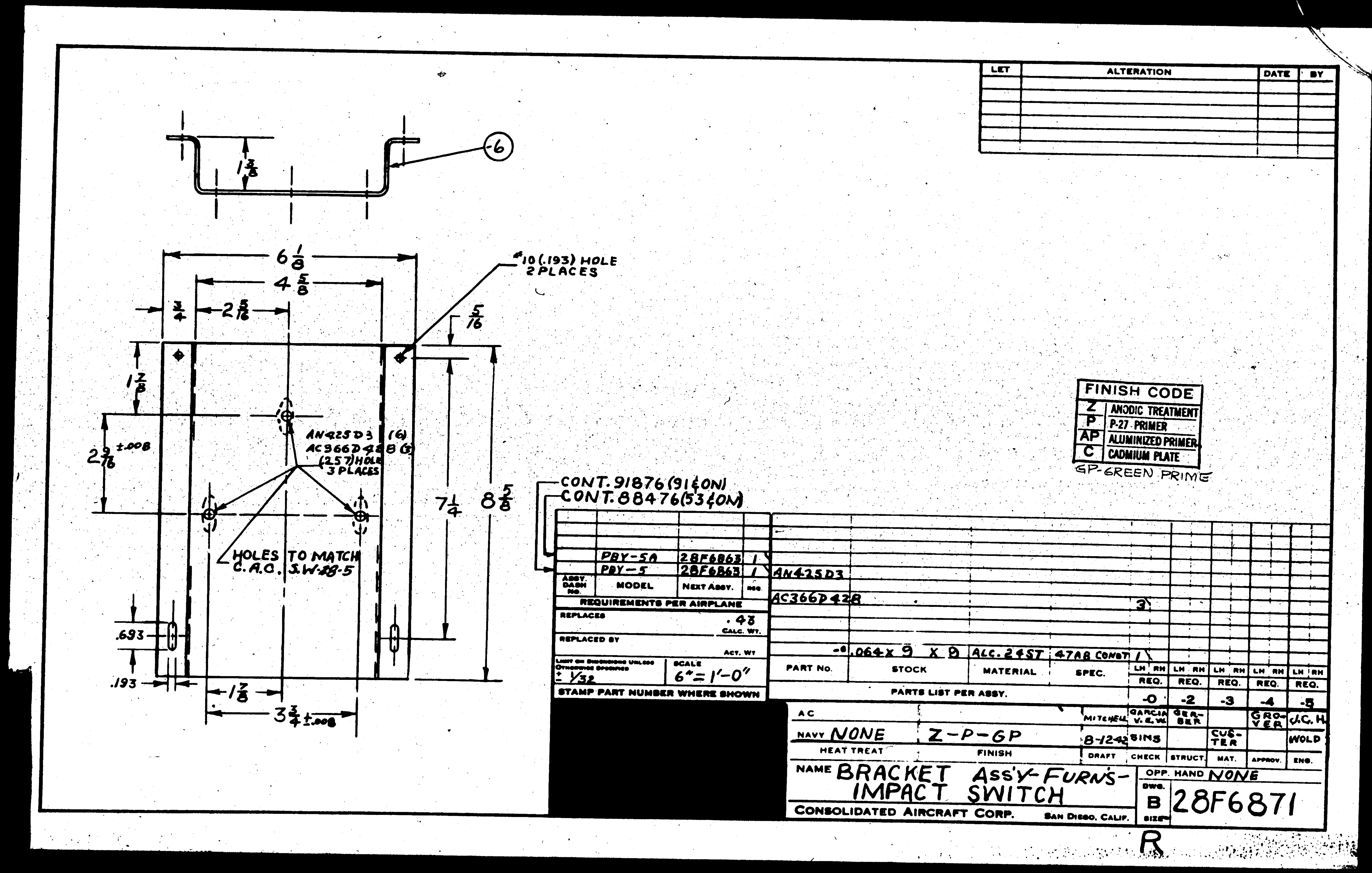


MCR 101-A
& 203-A
LET
ALTERATION
DATE
BY
A
IN REGD. MR LIMITED PENS REQS C-91876
SHIPS 91 TO MCR 101-A. WAS 91-ON. &
PBY-5A C.NO. 464, MCR 203-1 TO MCR 203-A
WAS MCR 203-1 & ON. NO WT. CHG.
$2\frac{1}{2}$
$\frac{3}{4}$
$3\frac{1}{2}$
$3\frac{3}{8}$
$\frac{1}{8}$
$4\frac{1}{2}$
(A) C.NO(s) 464 MCR 203-1 to MCR 203
C#91876, SHIPS 91 TO MCR 101-A
PBY-5A
28C5114
1
PBY-5
28C5114
1
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.10
CALC. WT.
REPLACED BY
ACT. WT.
± 1/32
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
[redacted]
.064 x 4½ x 5½ ALCLAD 24ST
1
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
AC
NAVY
Z-P-GP
HEAT TREAT
FINISH
LINN
8-11-41
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
RELIEF RADII = $\frac{3}{16}$
NAME
BRACKET - CABLE
DISPLACEMENT UNIT-FWD.
OPP. HAND
DWG. SIZE
B
28F6866
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
R
28F6866

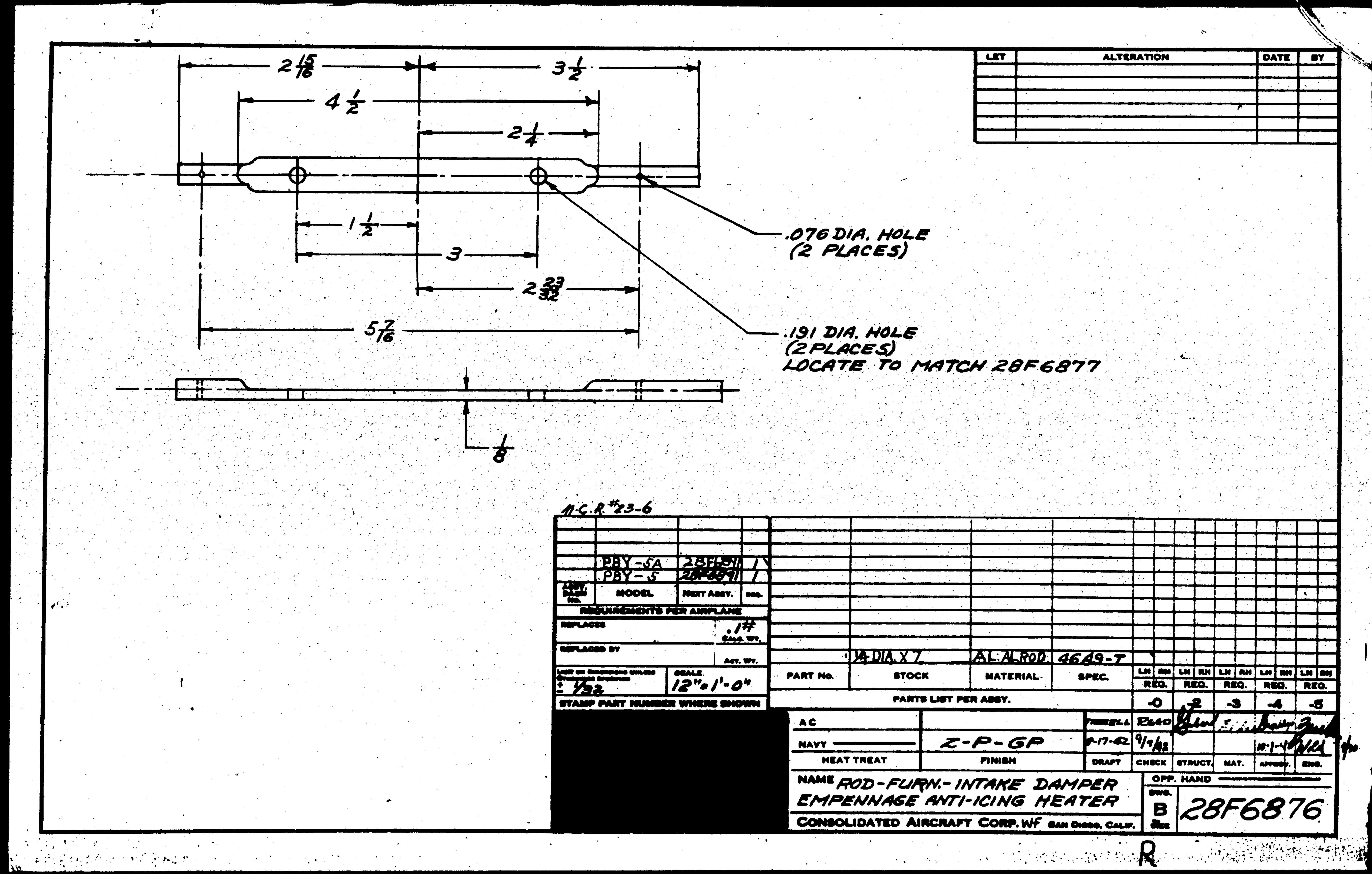

E.O.A74087A
LET
ALTERATION
DATE
BY
A CREATED -6 FOR SHIPS #91-119; ADDED -7L/R FOR SHIPS # 120 & ON. WT. CHG. -.05
12-29-42
MCR 101-A & MCR 203-A
B
4-14-43
2 3/8
3/4
1 1/2
3/4
3 1/2
3 5/16
-6
-7L
A
A
3 1/4
1/8
4 3/8
2
C.15585
-6 PBY-5A 28C5114 1
-7R PBY-5A 28C5114 1
-7L PBY-5A 28C5114 1
-7R PBY-5 28C5114 1
-7L PBY-5 28C5114 1
-6 PBY-5 28C5114 1
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
REPLACED BY
ACT. WT.
SCALE
12" = 1'-0"
± 1/32
STAMP PART NUMBER WHERE SHOWN
B
B
B
C.# 31876 #120 TO MCR 101-A
C.# 31876 #91 TO #119
-7R .064 x 3 x 3 1/2 ALCLAD 47A8-T
-7L .064 x 3 x 3 1/2 ALCLAD 47A8-T
-6 .064 x 4 1/2 x 3 1/2 ALCLAD 47A8T
PART No.
STOCK
MATERIAL
SPEC.
PARTS LIST PER ASSY.
-0
-2
-3
-4
-5
RELIEF RADII = 3/16
AC
NAVY
HEAT TREAT
Z-P-GP
FINISH
LINN
8-11-42
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
OPP. HAND
NAME
BRACKET-CABLE DISPLACEMENT UNIT-AFT.
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
B
28F6867



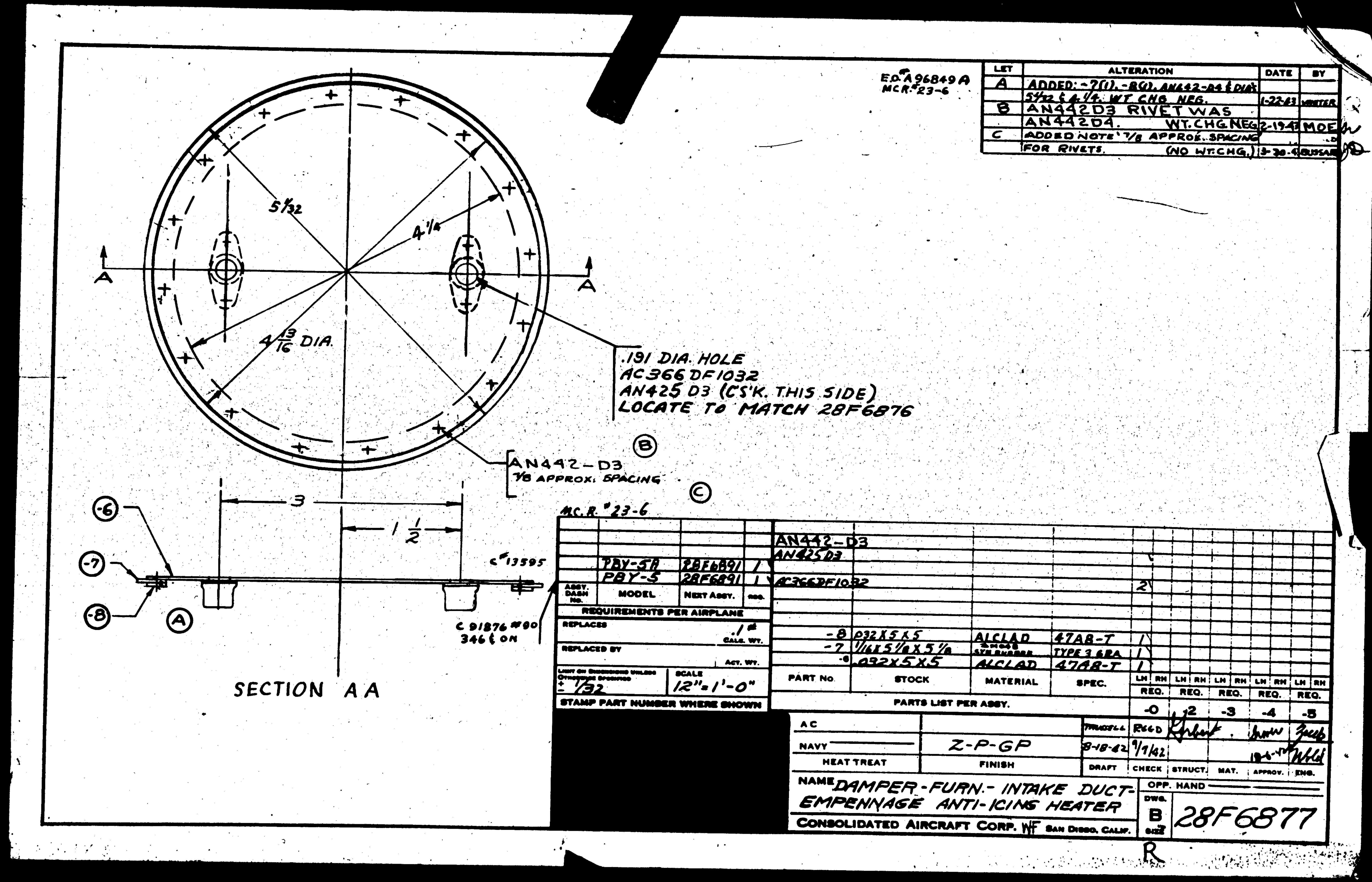
LET
ALTERATION
DATE
BY
1 5/16
3
2 7/32
1 13/16
13/16
13/16
15°
15°
C #91876 SHIPS #91 don
PBY-5
28CS110
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.13
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
1/32
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.051 X 3 1/4 X 7 7/8
ALCLAD
47A8T
PART No.
STOCK
MATERIAL
SPEC.
LH
RH
REQ.
PARTS LIST PER ASSY.
-0
-2
-3
-4
-5
AC
NAVY
Z-P-GP
HEAT TREAT
FINISH
LINN
4/4/42
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NAME
BRACKET - PROPORTIONAL
BANK ADAPTER - STA. 1.0
OPP. HAND
DWG.
B
SIZE
28F6870
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.

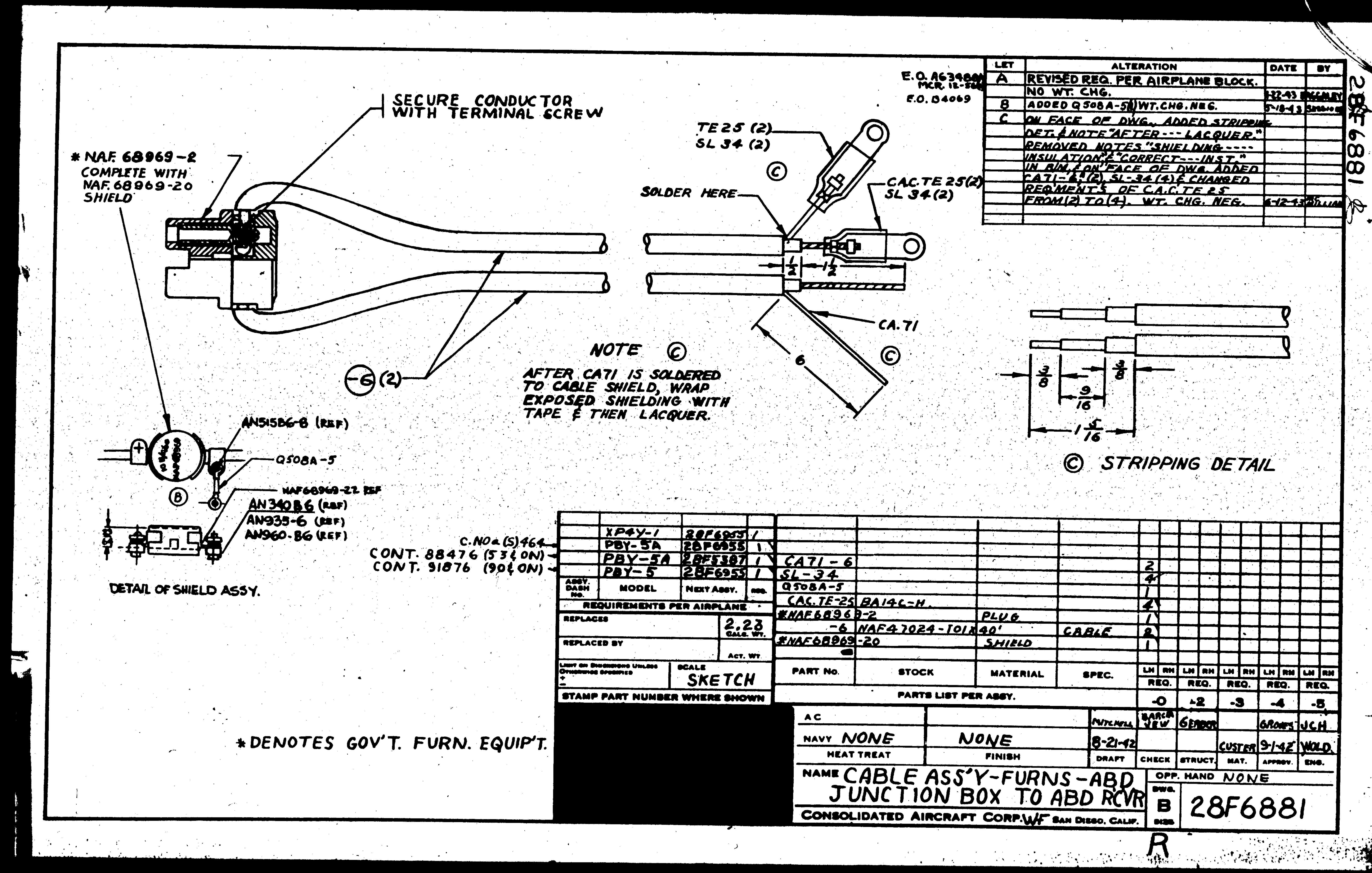


LET
ALTERATION
DATE
BY
-6
#10 (.193) HOLE 2 PLACES
AN425D3 (6)
AC366D428 (3)
(.257) HOLE 3 PLACES
HOLES TO MATCH C.A.C. S.W-28-5
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
GP-GREEN PRIME
CONT. 91876 (91 ON)
CONT. 88476 (53 ON)
PBY-5A 28F6863 1
PBY-5 28F6863 1
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.48
CALC. WT.
REPLACED BY
ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
AN425D3
AC366D428
3
-6 .064 x 9 x 9 ALC. 24ST 47A8 CONST 1
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ.
-0 -2 -3 -4 -5
PARTS LIST PER ASSY.
AC
NAVY NONE
Z-P-GP
HEAT TREAT
FINISH
MITCHELL
8-12-42
DRAFT
GARCIA V.E.W.
SINS
CHECK
GERBER
STRUCT.
CUSTER
MAT.
GROVER
APPROV.
J.C.H.
WOLD
ENG.
NAME BRACKET ASS'Y-FURN'S-IMPACT SWITCH
OPP. HAND NONE
DWG. SIZE B
28F6871
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
R

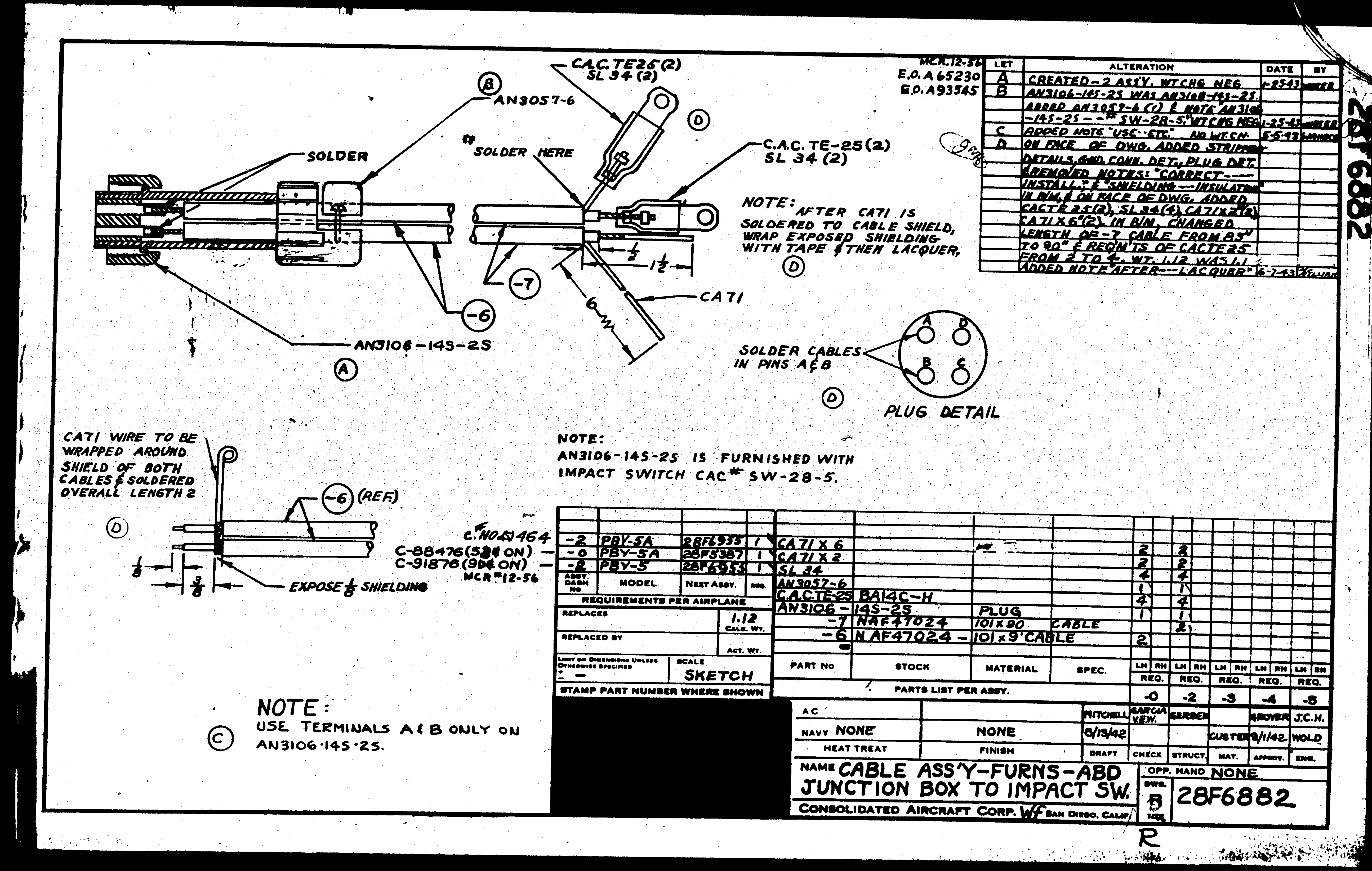


LET
ALTERATION
DATE
BY
2 15/16
3 1/2
4 1/2
2 1/4
1 1/2
3
2 23/32
5 7/16
1/8
.076 DIA. HOLE
(2 PLACES)
.191 DIA. HOLE
(2 PLACES)
LOCATE TO MATCH 28F6877
M.C.R. #23-6
PBY-5A
28F6591
PBY-5
28F6591
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.1#
CALC. WT.
REPLACED BY
ACT. WT.
± 1/32
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
1/4 DIA. X 7
AL. ALROD
4649-T
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ.
PARTS LIST PER ASSY.
-0
-2
-3
-4
-5
AC
NAVY
Z-P-GP
HEAT TREAT
FINISH
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
OPP. HAND
NAME ROD-FURN.-INTAKE DAMPER
EMPENNAGE ANTI-ICING HEATER
CONSOLIDATED AIRCRAFT CORP. WF SAN DIEGO, CALIF.
DWG. B SIZE
28F6876
R

E.O. A96849 A
MCR #23-6
LET | ALTERATION | DATE | BY
A | ADDED: -7(1), -8(1), AN442-D4 & DIA'S 5 1/32 & 4 1/4. WT CHG NEG. | 1-22-43 | WINTER
B | AN442D3 RIVET WAS AN442D4. WT. CHG NEG | 2-19-43 | MOE
C | ADDED NOTE '7/8 APPROX. SPACING FOR RIVETS. (NO WT. CHG.) | 3-30-4
5 1/32
4 1/4
4 13/16 DIA.
A
A
.191 DIA. HOLE
AC366 DF1032
AN425 D3 (C'S'K. THIS SIDE)
LOCATE TO MATCH 28F6876
AN442-D3
7/8 APPROX. SPACING
B
C
3
1 1/2
-6
-7
-8
A
C #13595
C 91876 #90
346 ¢ ON
SECTION AA
MC.R. #23-6
PBY-5A | 28F6891 | 1
PBY-5 | 28F6891 | 1
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.1# CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
AN442-D3
AN425D3
AC366DF1032 | 2
-8 | .032X5X5 | ALCLAD | 24ST-T | 1
-7 | 1/16X5 1/8X5 1/8 | SPONGE SYN RUBBER | TYPE 3 GRA | 1
-6 | .032X5X5 | ALCLAD | 24ST-T | 1
PART No. | STOCK | MATERIAL | SPEC. | LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY
Z-P-GP
HEAT TREAT
FINISH
8-18-42
9/1/42
DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
NAME DAMPER-FURN.-INTAKE DUCT-EMPENNAGE ANTI-ICING HEATER
OPP. HAND
DWG. SIZE B
28F6877
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R



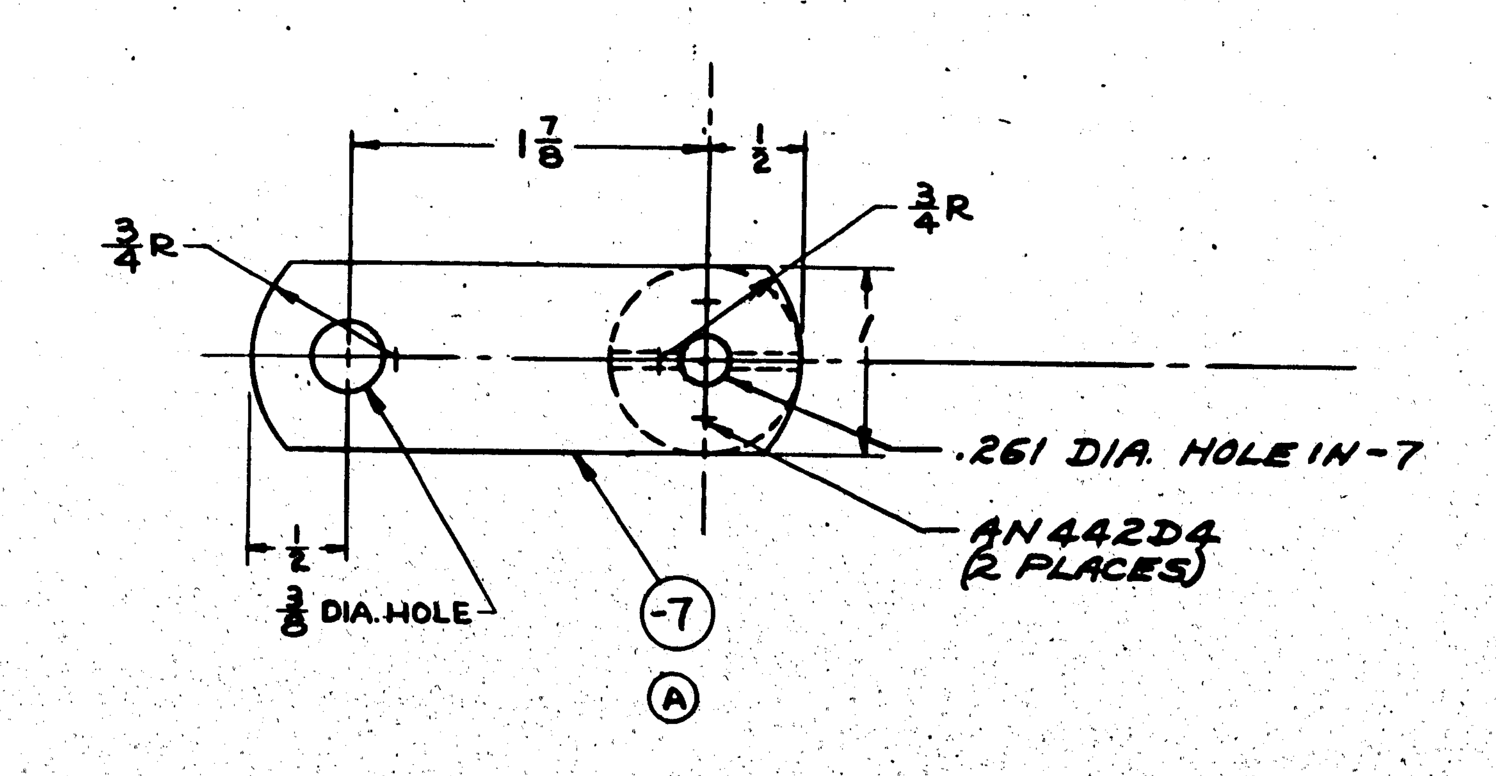
SECURE CONDUCTOR WITH TERMINAL SCREW
* NAF. 68969-2 COMPLETE WITH NAF. 68969-20 SHIELD
TE 25 (2) SL 34 (2)
SOLDER HERE
CAC. TE 25 (2) SL 34 (2)
CA. 71
-6 (2)
NOTE ©
AFTER CA71 IS SOLDERED TO CABLE SHIELD, WRAP EXPOSED SHIELDING WITH TAPE & THEN LACQUER.
© STRIPPING DETAIL
AN515B6-8 (REF)
Q508A-5
NAF68969-22 REF
AN340B6 (REF)
AN935-6 (REF)
AN960-B6 (REF)
DETAIL OF SHIELD ASSY.
* DENOTES GOV'T. FURN. EQUIP'T.
E.O. A6348
E.O. B4069
LET | ALTERATION | DATE | BY
A | REVISED REQ. PER AIRPLANE BLOCK. NO WT. CHG.
B | ADDED Q508A-5 WT. CHG. NEG. | 5-18-43
C | ON FACE OF DWG., ADDED STRIPPING DET. & NOTE "AFTER --- LACQUER." REMOVED NOTES "SHIELDING ---- INSULATION" & "CORRECT --- INST." IN B/M, & ON FACE OF DWG. ADDED CA71-6 (2), SL-34 (4) & CHANGED REQ'M'NTS OF C.A.C. TE 25 FROM (2) TO (4). WT. CHG. NEG.
C. NO. (S) 464
CONT. 88476 (53 & ON)
CONT. 91876 (90 & ON)
XP4Y-1 | 28F6955 | 1
PBY-5A | 28F6955 | 1
PBY-5A | 28F5387 | 1
PBY-5 | 28F6955 | 1
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
2.23 CALC. WT.
REPLACED BY
ACT. WT.
SCALE SKETCH
STAMP PART NUMBER WHERE SHOWN
CA71-6 | 2
SL-34 | 4
Q508A-5 | 1
CAC. TE-25 | BA14C-H. | 4
*NAF68969-2 | PLUG | 1
-6 | NAF47024-T01 X 40' | CABLE | 2
*NAF68969-20 | SHIELD | 1
PART No. | STOCK | MATERIAL | SPEC. | LH RH REQ. -0 | -2 | -3 | -4 | -5
PARTS LIST PER ASSY.
AC
NAVY NONE | NONE
HEAT TREAT | FINISH
MITCHELL 8-21-42 DRAFT | CHECK | STRUCT. | CUSTER MAT. | 9-1-42 APPROV. | WOLD ENG.
NAME CABLE ASS'Y-FURNS-ABD JUNCTION BOX TO ABD RCVR
OPP. HAND NONE
DWG. SIZE B
28F6881
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R



MCR. 12-56
E.O. A65230
E.O. A93545
LET | ALTERATION | DATE | BY
A | CREATED - 2 ASS'Y. WT CHG NEG | 1-25-43
B | AN3106-14S-2S WAS AN3108-14S-2S. ADDED AN3057-6 (1) & NOTE AN3106-14S-2S - - " SW-28-5." WT CHG NEG | 1-25-43
C | ADDED NOTE "USE - ETC." NO WT. CH. | 5-5-43
D | ON FACE OF DWG. ADDED STRIPPING DETAILS, GND. CONN. DET., PLUG DET. REMOVED NOTES: "CORRECT --- INSTALL." & "SHIELDING --- INSULATION" IN B/M, & ON FACE OF DWG. ADDED CACTE 25 (2), SL 34 (4), CA71 X 2 (2) CA71 X 6" (2). IN B/M, CHANGED LENGTH OF -7 CABLE FROM 85" TO 90" & REQM'TS OF CACTE 25 FROM 2 TO 4. WT. 1.12 WAS 1.1 ADDED NOTE "AFTER --- LACQUER" | 6-7-43
C.A.C. TE25 (2)
SL 34 (2)
B
AN3057-6
D
SOLDER
SOLDER HERE
C.A.C. TE-25 (2)
SL 34 (2)
NOTE: AFTER CA71 IS SOLDERED TO CABLE SHIELD, WRAP EXPOSED SHIELDING WITH TAPE & THEN LACQUER.
D
1/2
1 1/2
-7
CA71
6"
-6
AN3106-14S-2S
A
SOLDER CABLES IN PINS A & B
A D B C
D
PLUG DETAIL
CA71 WIRE TO BE WRAPPED AROUND SHIELD OF BOTH CABLES & SOLDERED OVERALL LENGTH 2
-6 (REF.)
D
1/8
3/8
EXPOSE 1/8 SHIELDING
NOTE: AN3106-14S-2S IS FURNISHED WITH IMPACT SWITCH CAC # SW-28-5.
C. NO. 81464
C-88476 (52 ON)
C-91876 (90 ON)
MCR # 12-56
-2 | PBY-5A | 28F6935 | 1
-0 | PBY-5A | 28F5387 | 1
-2 | PBY-5 | 28F6953 | 1
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
CA71 X 6 | | | | 2 | 2
CA71 X 2 | | | | 2 | 2
SL 34 | | | | 4 | 4
AN3057-6 | | | | 1 | 1
C.A.C. TE-25 | BA14C-H | | | 4 | 4
AN3106-14S-2S | | PLUG | | 1 | 1
-7 | NAF47024 | 101 X 90 | CABLE | | 1
-6 | NAF47024 - | 101 X 9' CABLE | | 2 |
PART NO | STOCK | MATERIAL | SPEC. | LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
PARTS LIST PER ASSY.
REPLACES
1.12 CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± —
SCALE SKETCH
STAMP PART NUMBER WHERE SHOWN
AC
NAVY NONE | NONE
HEAT TREAT | FINISH
MITCHELL 8/19/42 DRAFT
GARCIA V.E.W. CHECK
GERBER STRUCT.
CUSTER MAT.
GROVER 9/1/42 APPROV.
J.C.H. WOLD ENG.
NAME CABLE ASS'Y - FURNS - ABD JUNCTION BOX TO IMPACT SW.
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP. HAND NONE
DWG. B SIZE
28F6882
NOTE: USE TERMINALS A & B ONLY ON AN3106-14S-2S.
C
R
28F6882

LET	ALTERATION	DATE	BY
A	-7 WAS -6. WT .08# WAS .1#	1-28-43	[illegible]
	Revised limitations		

E.O. A96845



28F6885

MCR. #23-6

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5B	28F6891	1
	PBY-5	28F6891	1

C 13595
C 91876
90 & 346 (OH)

REQUIREMENTS PER AIRPLANE

REPLACES	.08 CALC. WT.
REPLACED BY	ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	SCALE
± 1/32	12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 REQ. LH	-0 REQ. RH	-2 REQ. LH	-2 REQ. RH	-3 REQ. LH	-3 REQ. RH	-4 REQ. LH	-4 REQ. RH	-5 REQ. LH	-5 REQ. RH
AN442D4													
28F6885				1									
-7	.064 x 1 1/8 x 3	ALCLAD	47A8-T	1									

PARTS LIST PER ASSY.

AC							
NAVY —	Z-P-GP	8-22-42	9/7/42	[illegible]	[illegible]	[illegible]	[illegible]
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

NAME ARM-FURN.-INTAKE DAMPER EMPENNAGE ANTI-ICING HEATER

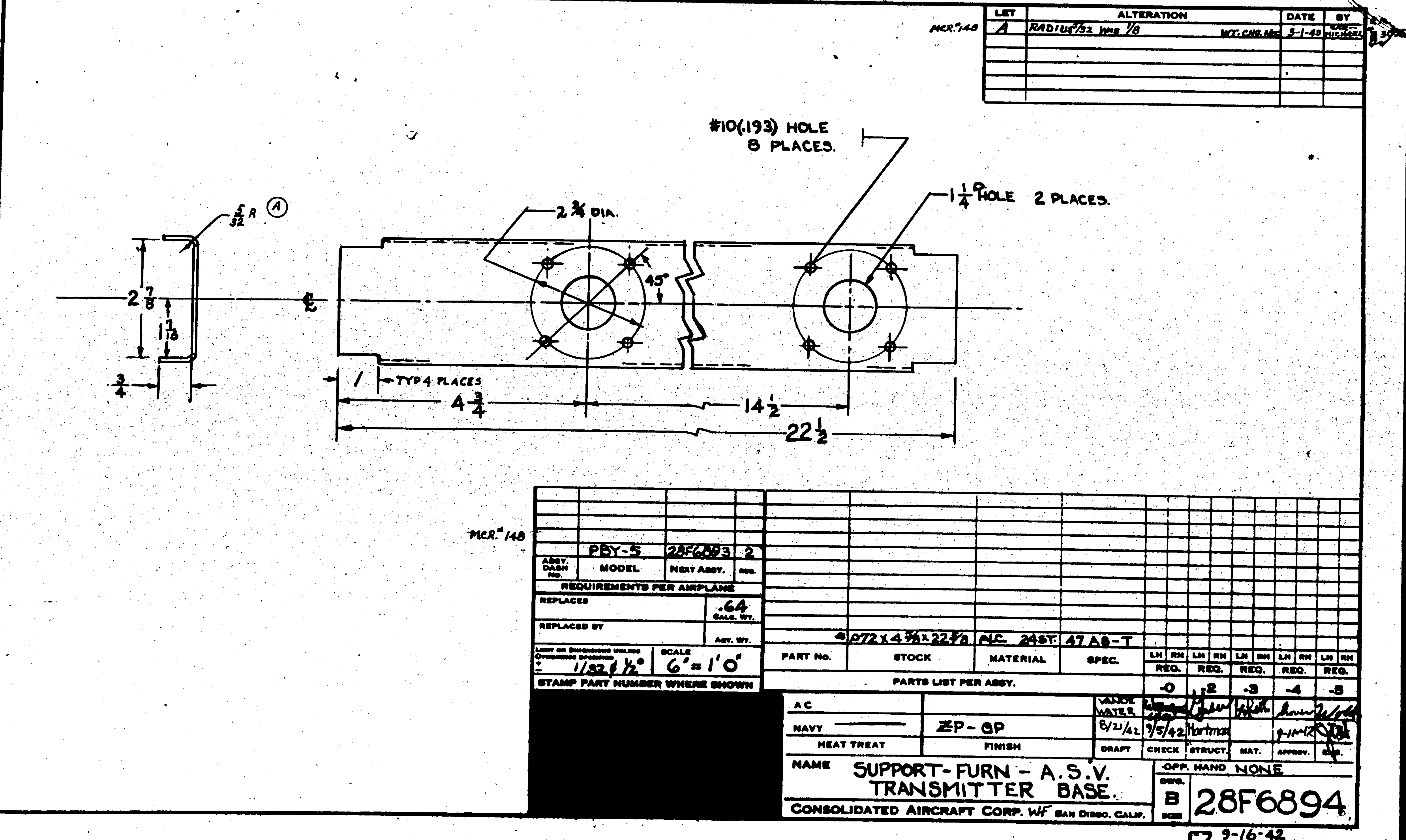
CONSOLIDATED AIRCRAFT CORP. WF SAN DIEGO, CALIF.

OPP. HAND —

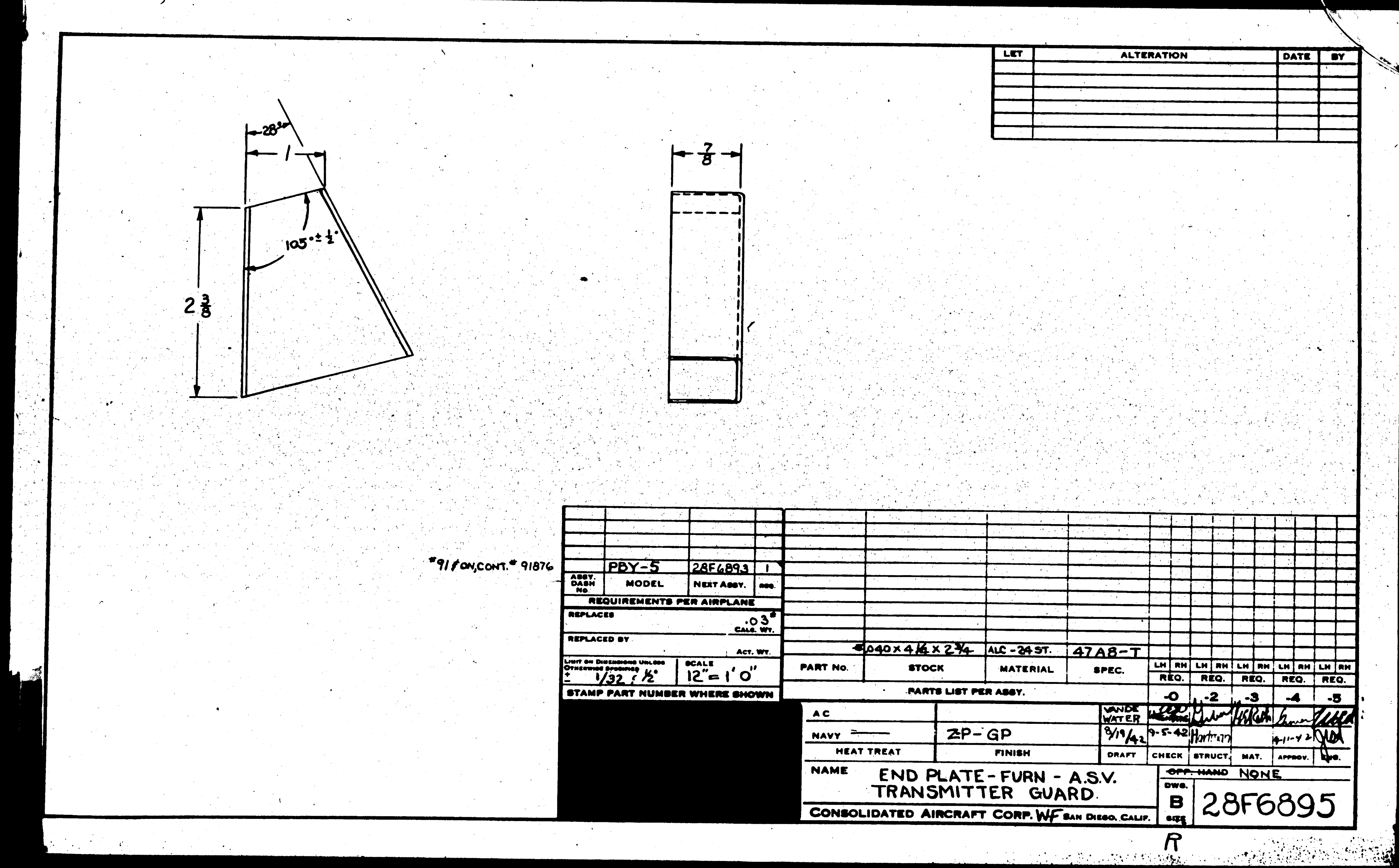
DWG. SIZE B

28F6884

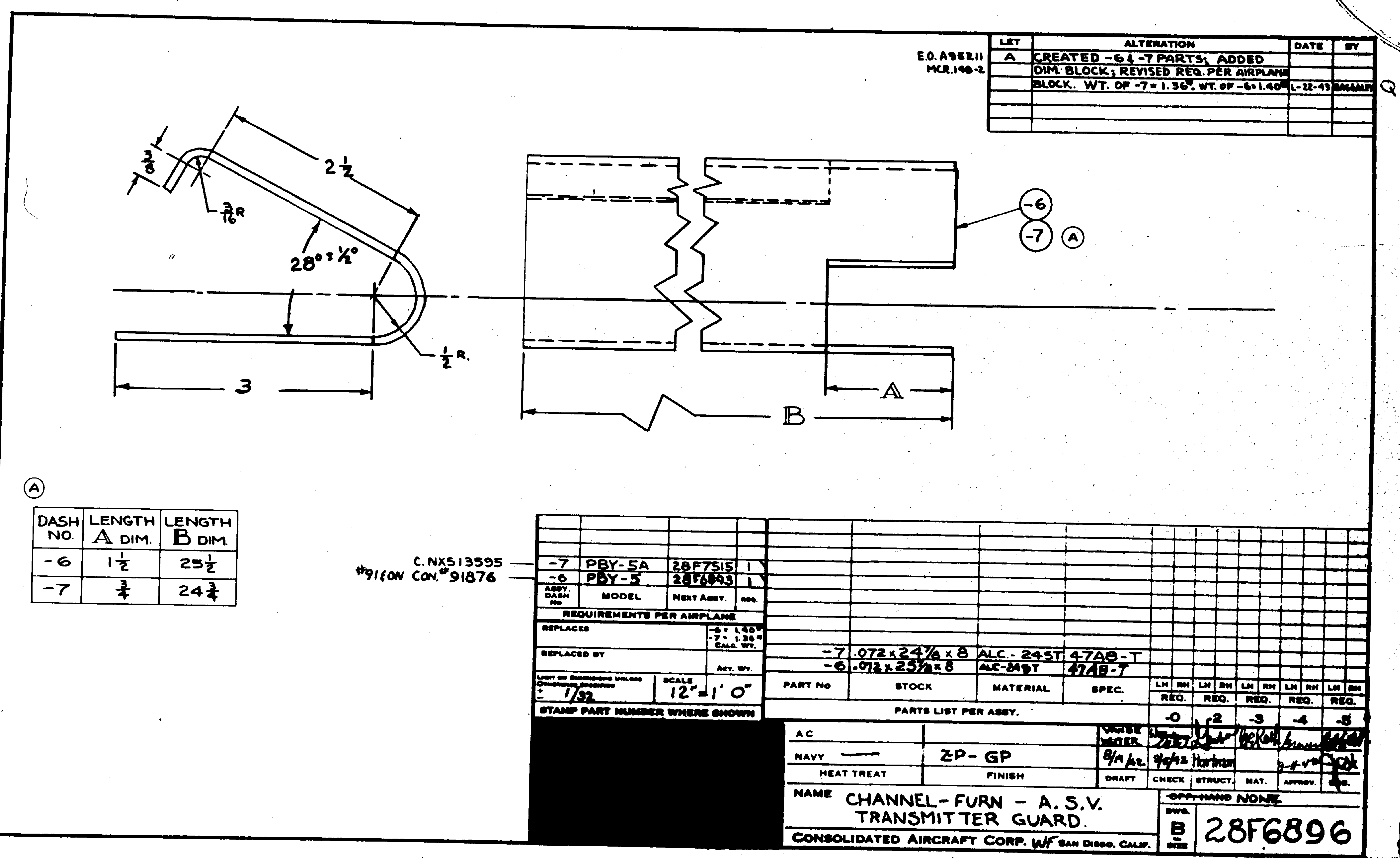
R.



MCR. 148
LET
ALTERATION
DATE
BY
A
RADIUS 5/32 WAS 1/8
WT. CHG. NC.
3-1-43
MICHAEL
#10(.193) HOLE
8 PLACES.
1 1/4 HOLE 2 PLACES.
2 3/4 DIA.
5/32 R
A
45°
2 7/8
1 7/16
3/4
℄
1
TYP 4 PLACES
4 3/4
14 1/2
22 1/2
MCR. 148
PBY-5
28F6893
2
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.64
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/32 & 1/2°
SCALE
6" = 1'0"
STAMP PART NUMBER WHERE SHOWN
.072 X 4 5/8 X 22 5/8
ALC. 24ST
47 A8-T
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ.
LH RH REQ.
LH RH REQ.
LH RH REQ.
LH RH REQ.
PARTS LIST PER ASSY.
-0
-2
-3
-4
-5
AC
NAVY
ZP-8P
HEAT TREAT
FINISH
VANCE WATER
8/21/42
9/5/42
Hartman
9-11-42
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NAME
SUPPORT - FURN - A.S.V. TRANSMITTER BASE.
OPP. HAND NONE
DWG. SIZE
B
28F6894
CONSOLIDATED AIRCRAFT CORP. WF SAN DIEGO, CALIF.
R 9-16-42



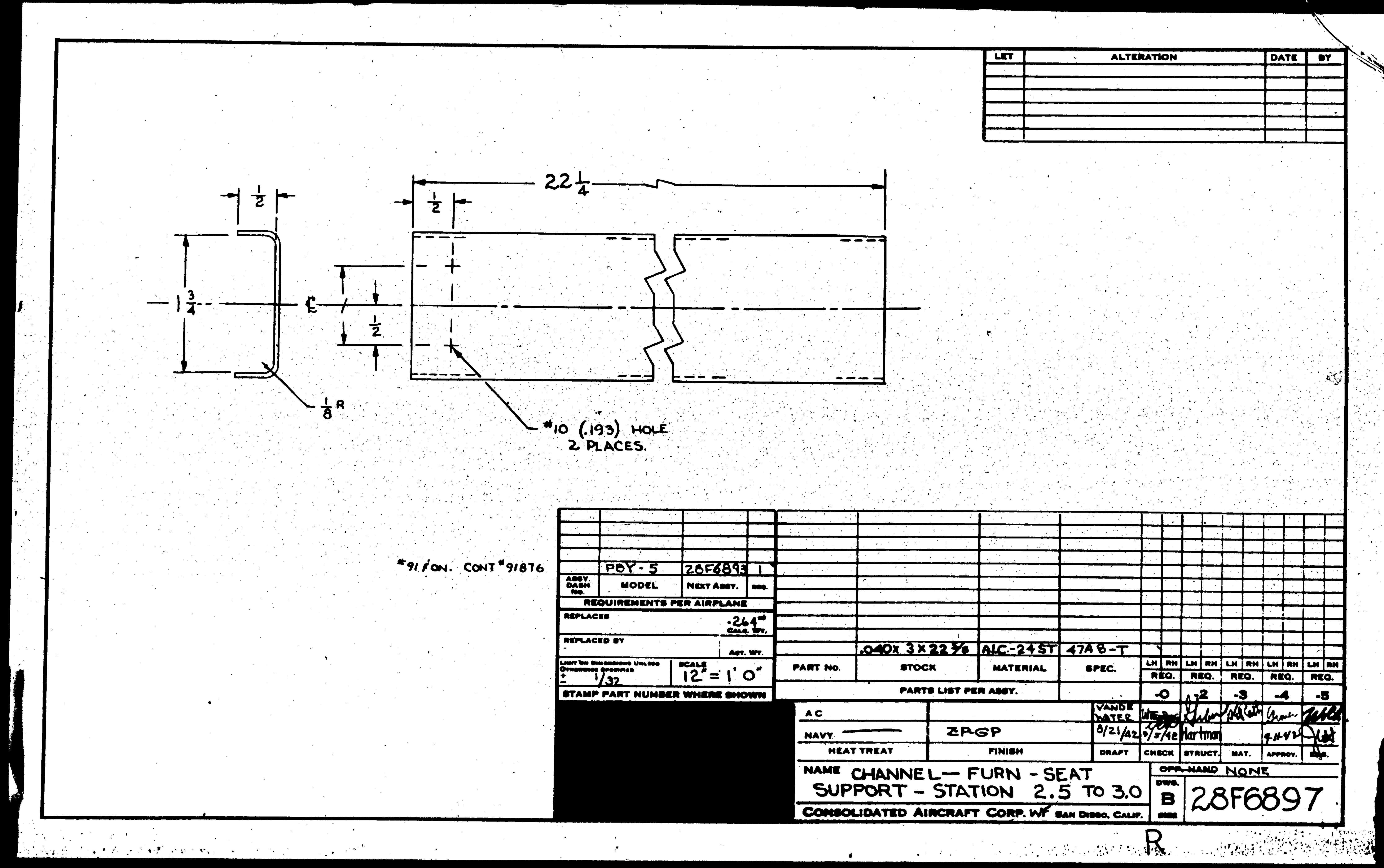
LET
ALTERATION
DATE
BY
28°
1
105° ± ½°
2 3/8
7/8
#91 ON, CONT. #91876
PBY-5
28F6893
1
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.03#
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/32 ; ½°
SCALE
12" = 1' 0"
STAMP PART NUMBER WHERE SHOWN
.040 x 4 1/4 x 2 3/4
ALC - 24 ST.
47A8-T
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
AC
NAVY
ZP-GP
VANDEWATER
8/19/42
9-5-42
Hartman
4-11-42
HEAT TREAT
FINISH
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NAME
END PLATE - FURN - A.S.V.
TRANSMITTER GUARD
OPP. HAND NONE
DWG.
B
SIZE
28F6895
CONSOLIDATED AIRCRAFT CORP. WF SAN DIEGO, CALIF.
R



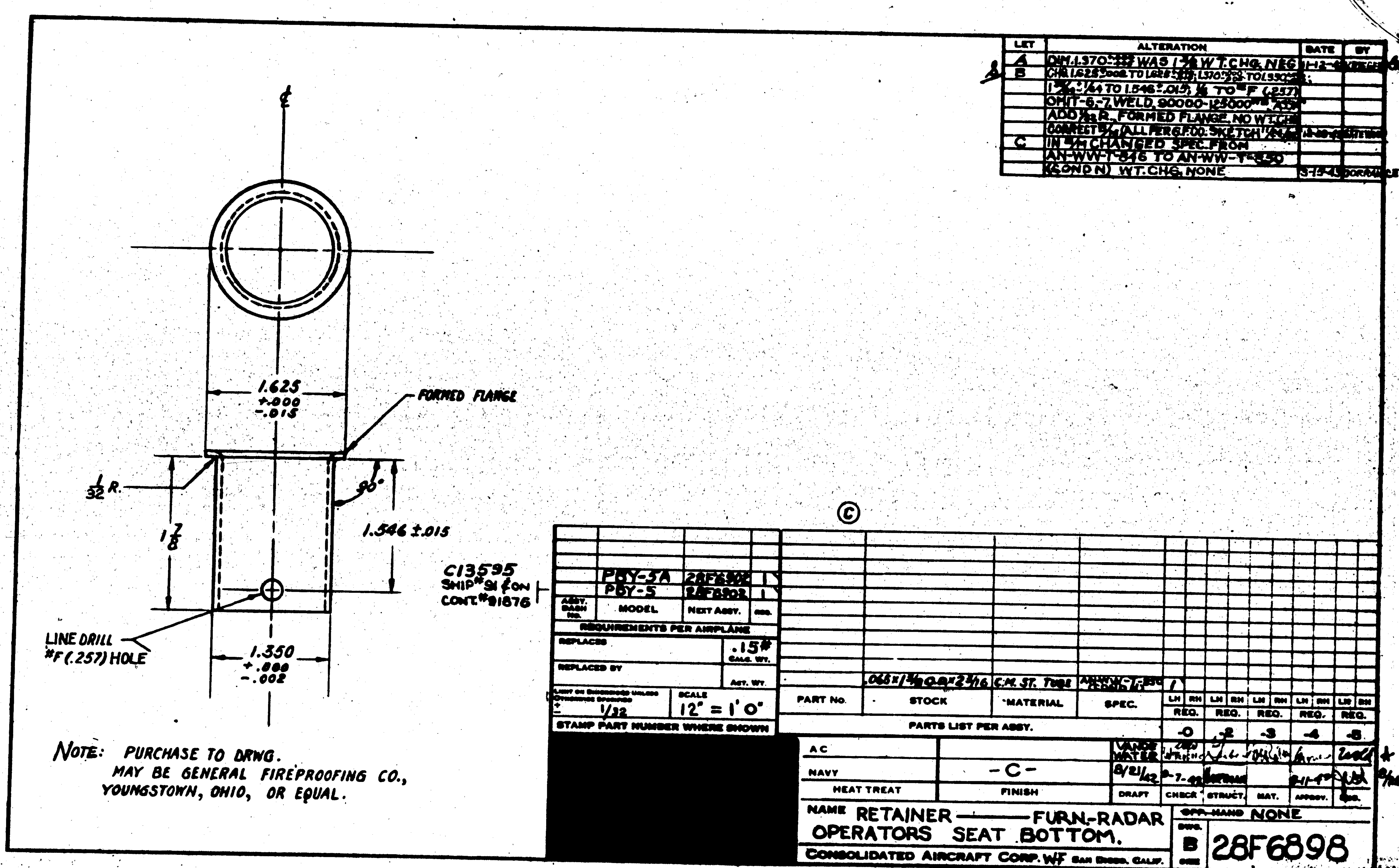
DASH NO.	LENGTH A DIM.	LENGTH B DIM.
-6	1 1/2	25 1/2
-7	3/4	24 3/4

ASSY. DASH No	MODEL	NEXT ASSY.	REQ.
-7	PBY-5A	28F7515	1
-6	PBY-5	28F6893	1

PART No	STOCK	MATERIAL	SPEC.
-7	.072 x 24 7/8 x 8	ALC.-24ST	47A8-T
-6	.072 x 25 5/8 x 8	ALC-24ST	47A8-T



LET
ALTERATION
DATE
BY
22 1/4
1/2
1/2
1 3/4
℄
1/2
1/8 R
#10 (.193) HOLE
2 PLACES.
#91 ION. CONT #91876
PBY-5
28F6893
1
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.264#
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/32
SCALE
12" = 1' 0"
STAMP PART NUMBER WHERE SHOWN
.040 x 3 x 22 3/8
ALC-24ST
47A8-T
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
AC
NAVY
ZPGP
VANDE WATER
8/21/42
9/5/42
Hartman
9-11-42
HEAT TREAT
FINISH
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
OPP. HAND NONE
NAME CHANNEL — FURN - SEAT
SUPPORT - STATION 2.5 TO 3.0
DWG. SIZE B
28F6897
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R



LET
ALTERATION
DATE
BY
A
B
C
FORMED FLANGE
1.625 +.000 −.015
1/32 R.
1 7/8
90°
1.546 ±.015
LINE DRILL #F (.257) HOLE
1.350 +.000 −.002
C13595
SHIP # 91 ON
CONT. # 91876
PBY-5A
PBY-5
28F6902
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.15#
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
1/32
12" = 1' 0"
STAMP PART NUMBER WHERE SHOWN
PART No.
STOCK
MATERIAL
SPEC.
C.M. ST. TUBE
PARTS LIST PER ASSY.
LH
RH
REQ.
-0
-2
-3
-4
-5
AC
NAVY
HEAT TREAT
-C-
FINISH
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
NAME RETAINER — FURN.-RADAR OPERATORS SEAT BOTTOM.
OPP. HAND NONE
B
28F6898
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
NOTE: PURCHASE TO DRWG.
MAY BE GENERAL FIREPROOFING CO.,
YOUNGSTOWN, OHIO, OR EQUAL.

E.O.A90653

LET	ALTERATION	DATE	BY
A	ADDED DIM 1/8 R. NO WT CHG.	11-12-42	WERNER
B	DIM. 1.503 +.005 -.000 WAS 1.500 +.005 -.000 WT. CHG. NEG.	11-12-42	WERNER
C	5/16 DIM. WAS 1/4. NO WT. CHG.	1-22-43	ROSS

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28F6902	1
	PBY-5	28F6902	1

REQUIREMENTS PER AIRPLANE

REPLACES — .20# CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1' 0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	REQ. -0
-8	.093 x 7/8 x 5/8	C.M. ST.	AN-QQ-S-685	2
-7	.078 x 2 7/8 x 2 3/4	C.M. ST.	AN-QQ-S-685	1
-6	1 7/8 O.D. x .065 x 1	C.M. ST. TUBE	AN-WW-T-850	1

PARTS LIST PER ASSY. (REQ. columns LH / RH: -0, -2, -3, -4, -5)

[redacted]

AC
NORMALIZE
NAVY 90,000-125,000 #/□"
HEAT TREAT

- C -
FINISH

DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.
VANDEWATER 8/21/42	WERNER [illegible] 9-7-42	Hartman		9-11-42	

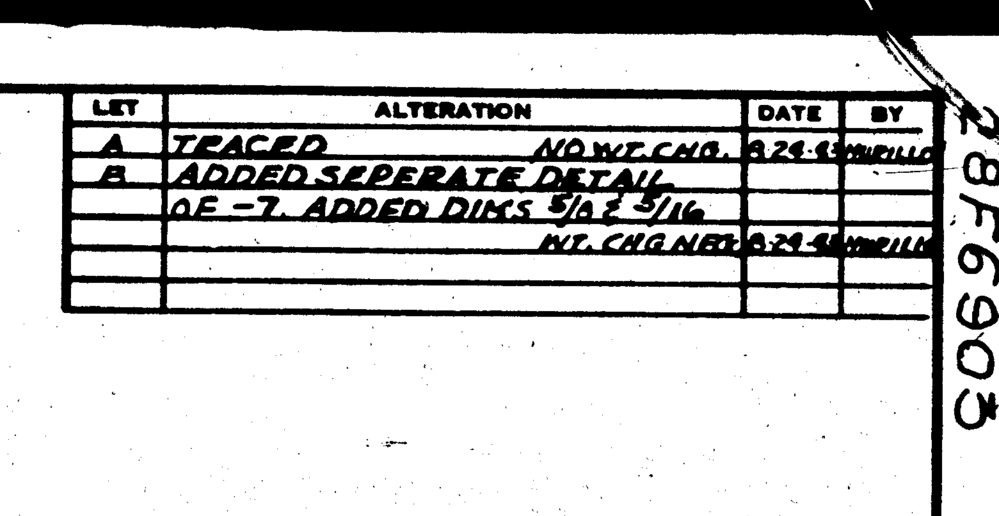
NAME COLLAR FURN RADAR OPERATORS SEAT STOP.

OPP. HAND NONE

DWG. SIZE B — 28F6901

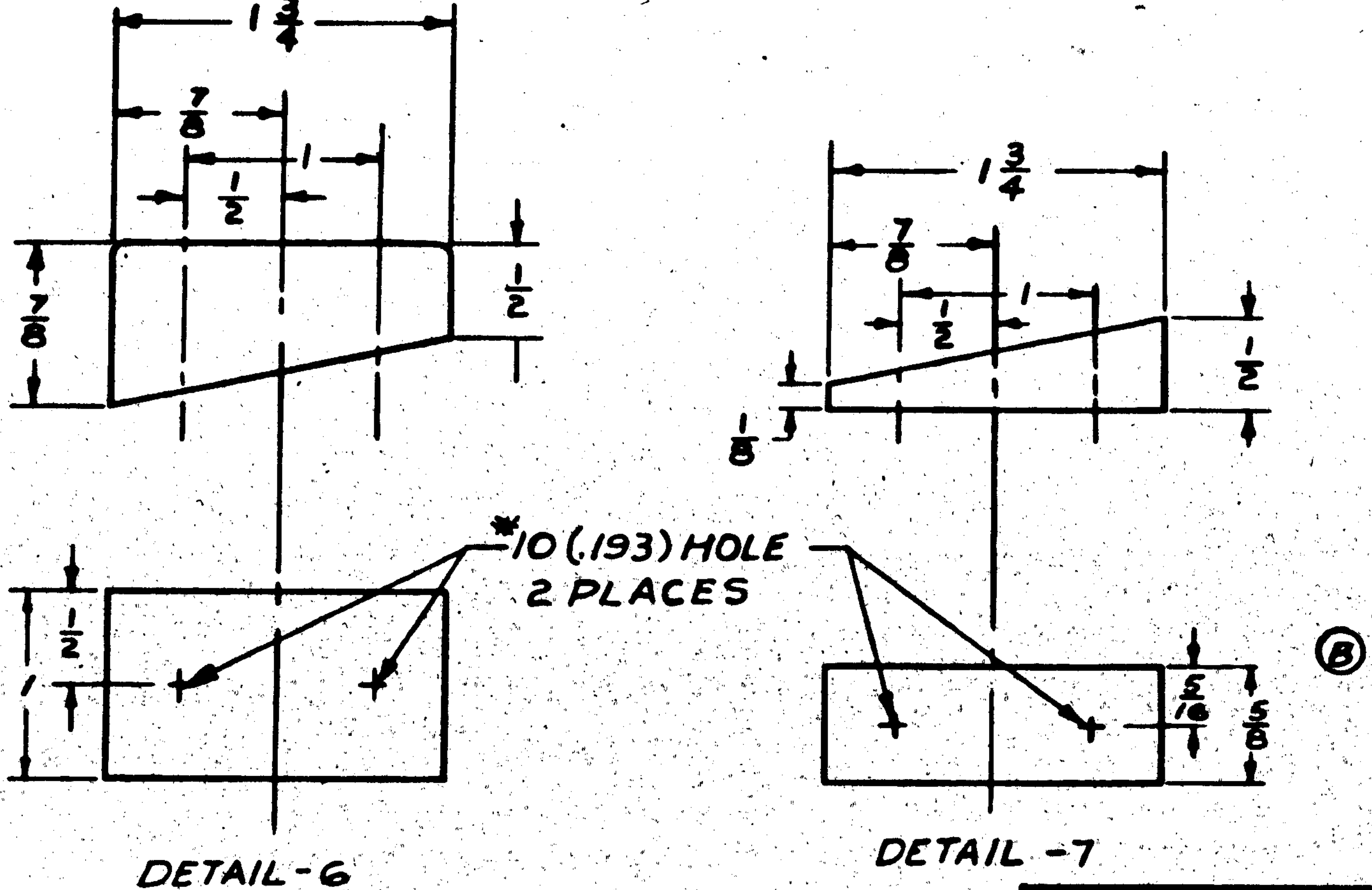
CONSOLIDATED AIRCRAFT CORP. WF SAN DIEGO, CALIF.

R



LET	ALTERATION	DATE	BY
A	TRACED NO WT. CHG.	8-24-43	[illegible]
B	ADDED SEPERATE DETAIL		
	OF -7. ADDED DIMS 5/8 & 5/16		
	WT. CHG NEG.	8-24-43	[illegible]

28F6903



Ⓑ

DASH NO.	MODEL	NEXT ASSY.	REQ.
-7	PBY-5A	28F6893	1
-6	PBY-5A	28F6893	1
-7	PBY-5	28F6893	1
-6	PBY-5	28F6893	1

MCR 148-2 (-7, -6 PBY-5A)
MCR 147 (-7, -6 PBY-5)

REQUIREMENTS PER AIRPLANE

REPLACES 28F6903 8/21/42	.15 CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 REQ. LH	-0 REQ. RH	-2 REQ. LH	-2 REQ. RH	-3 REQ. LH	-3 REQ. RH	-4 REQ. LH	-4 REQ. RH	-5 REQ. LH	-5 REQ. RH
-7	5/8 X 3/8 X 1 7/8	PHENOLIC	17PS TYPE [illegible] FORM-5	1									
-6	1 X 1 1/8 X 1 7/8	PHENOLIC	17PS TYPE [illegible] FORM-5	1									

PARTS LIST PER ASSY.

		DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.
AC		VAN DE WATER	[illegible]	[illegible]		[illegible]	
NAVY	B.V. ALL CUT SUR	8-21-42	9-5-42			[illegible] 42	[illegible]
HEAT TREAT	FINISH						

NAME SPACER-FURN-AFT. SUPP.-RADAR OPER'S SEAT

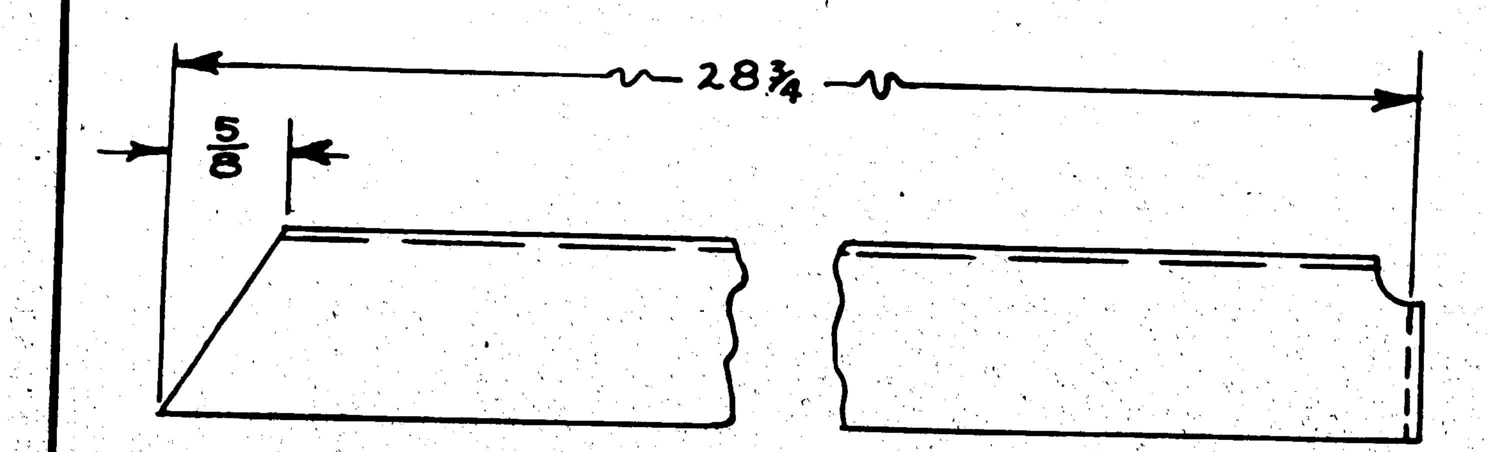
OPP. HAND —

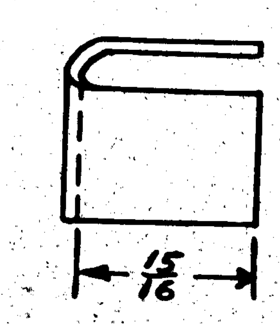
DWG. SIZE B — 28F6903

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

LET	ALTERATION	DATE	BY





ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5	28F6913	1

REQUIREMENTS PER AIRPLANE

REPLACES — .26 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 LH REQ.	-0 RH REQ.	-2 LH REQ.	-2 RH REQ.	-3 LH REQ.	-3 RH REQ.	-4 LH REQ.	-4 RH REQ.	-5 LH REQ.	-5 RH REQ.
	Y-2-444-TX 30½												

PARTS LIST PER ASSY.

CR. #143 M.N.

[redacted]

AC		DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.
NAVY	Z - P - GP	9-11-42 Moody	9-15-42			9-14-42	
HEAT TREAT	FINISH						

NAME SUPPORT-FURNS-INTER.-SQUAD. TRANS. & REC'R SHELF-INB'D

OPP. HAND NONE

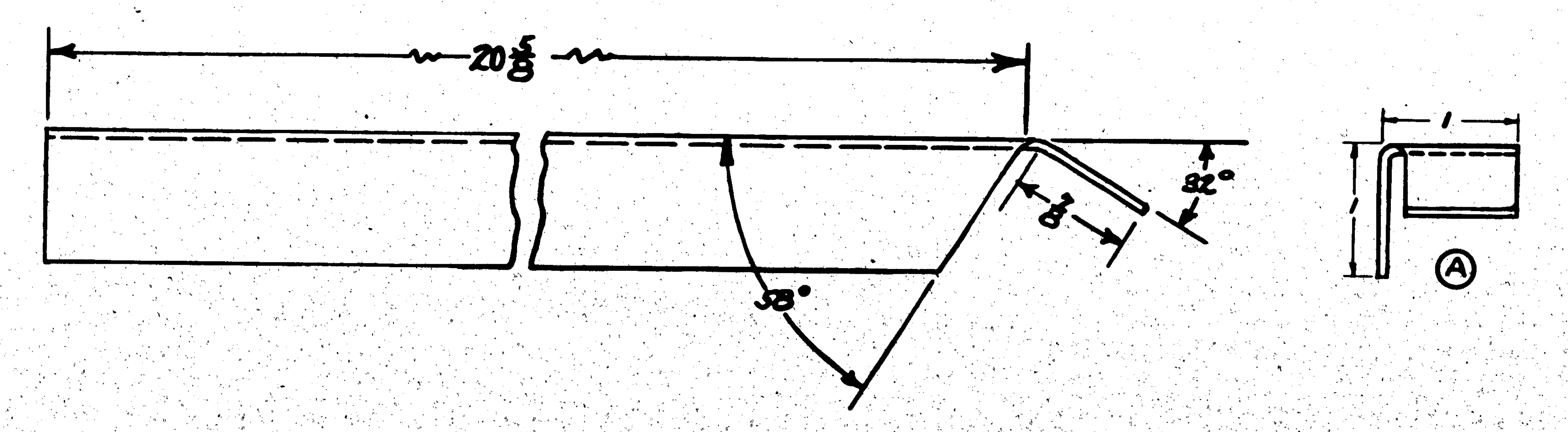
DWG. SIZE B - 28F6907

CONSOLIDATED AIRCRAFT CORP. WF SAN DIEGO, CALIF.

R 9 21 42

E.O.# A63524

LET	ALTERATION	DATE	BY
A	ADDED 1" DIM'S & NOTE "PART MAY --- 47AB-T" NO WT. CHG.	5-12-43	



NOTE: (A)
PART MAY BE MADE FROM
Y2A44T × 21 5/8 OR .051 × 2 1/8
× 21 1/2 ALC. 24ST-47AB-T.

WILLS TMR

	MODEL	NEXT ASSY.	REQ.
C# 13595 →	PBY-5A	28F6913	1
C# 91876 (#90 & ON) →	PBY-5	28F6913	1

ASSY. DASH No. — REQUIREMENTS PER AIRPLANE

REPLACES	.21 CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	SCALE 12" = 1'0"
STAMP PART NUMBER WHERE SHOWN	

PART No.	STOCK	MATERIAL	SPEC.	LH / RH REQ. -0	LH / RH REQ. -2	LH / RH REQ. -3	LH / RH REQ. -4	LH / RH REQ. -5
	.051 × 2 1/8 × 21 1/2	ALC. 24ST	47AB-T					

PARTS LIST PER ASSY.

AC		9-11-42
NAVY —	Z-P-GP	GENDERS 9-15-42
HEAT TREAT	FINISH	DRAFT / CHECK / STRUCT. / MAT. / APPROV. / ENG.

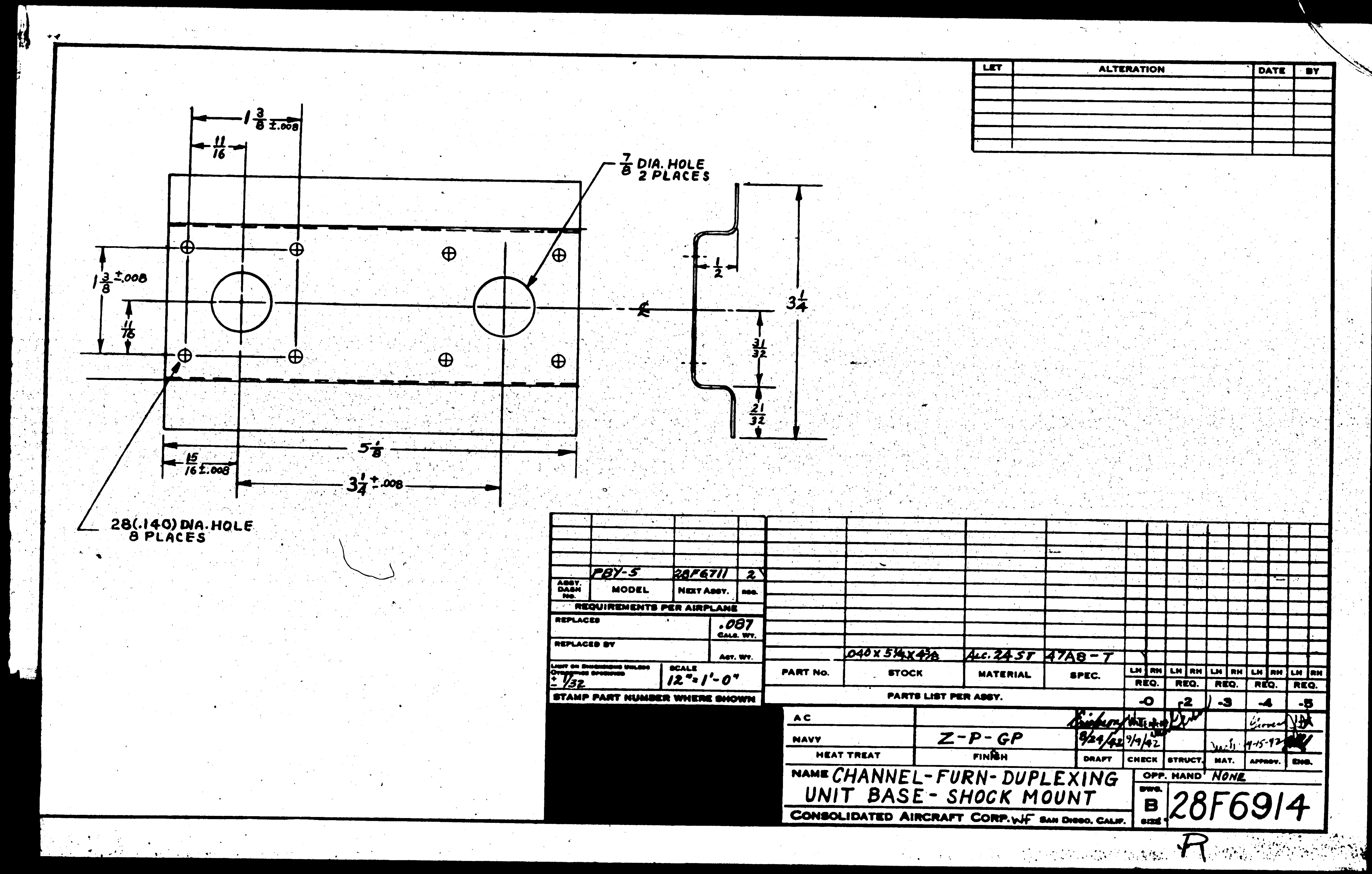
NAME BRACKET-FURN. INTER SQUAD TRANS. & REC'R.-INB'D SUPPORT

OPP. HAND NONE

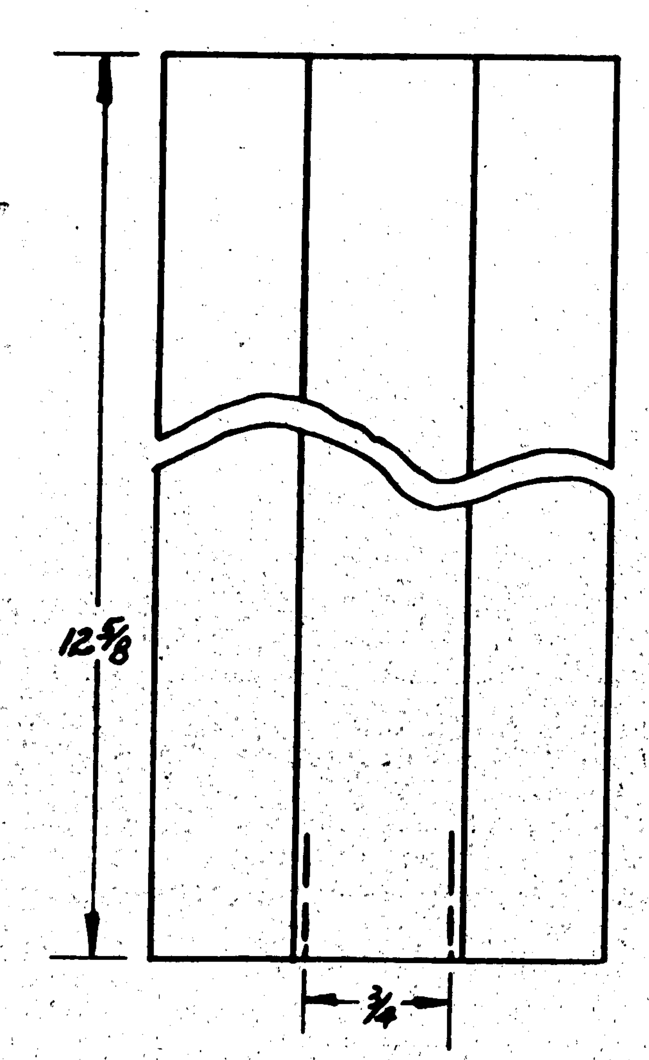
DWG. SIZE B — 28F6908

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R 9 21 42



LET
ALTERATION
DATE
BY
1 3/8 ±.008
11/16
7/8 DIA. HOLE
2 PLACES
1/2
3 1/4
1 3/8 ±.008
11/16
31/32
21/32
5 1/8
15/16 ±.008
3 1/4 ±.008
28(.140) DIA. HOLE
8 PLACES
PBY-5
MODEL
28F6711
NEXT ASSY.
2
ASSY. DASH No.
REQUIREMENTS PER AIRPLANE
REPLACES
.087
CALC. WT.
REPLACED BY
ACT. WT.
± 1/32
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.040 X 5 1/4 X 4 3/8
ALC. 24 ST
47A8-7
PART No.
STOCK
MATERIAL
SPEC.
LH RH
REQ.
PARTS LIST PER ASSY.
-0
-2
-3
-4
-5
AC
NAVY
Z-P-GP
HEAT TREAT
FINISH
8/24/42
9/9/42
9-15-42
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NAME CHANNEL-FURN-DUPLEXING UNIT BASE-SHOCK MOUNT
OPP. HAND NONE
DWG.
B
SIZE
28F6914
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R



96° 3/4 11/16 84°

11/16 11/16

FINISH
Z-ANODIC TREATMENT
P-P-27 PRIMER
GP-GREEN PRIMER

LET	ALTERATION	DATE	BY

CONT 91876 #90 ... / CONT 88477 #151 ...

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5B	28F6916	1
	PBY-5	28F6916	1

REQUIREMENTS PER AIRPLANE

REPLACED	.20 CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 LH	-0 RH	-2 LH	-2 RH	-3 LH	-3 RH	-4 LH	-4 RH	-5 LH	-5 RH
⊕	.051 × 3 3/4 × 12 3/4	ALC. 24ST	47AB-T										

PARTS LIST PER ASSY.

AC							
NAVY NONE	Z-P-GP	9-2-42				9-5-42	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

NAME SUPPORT - FURNS. TOILET - SPECIAL HAT

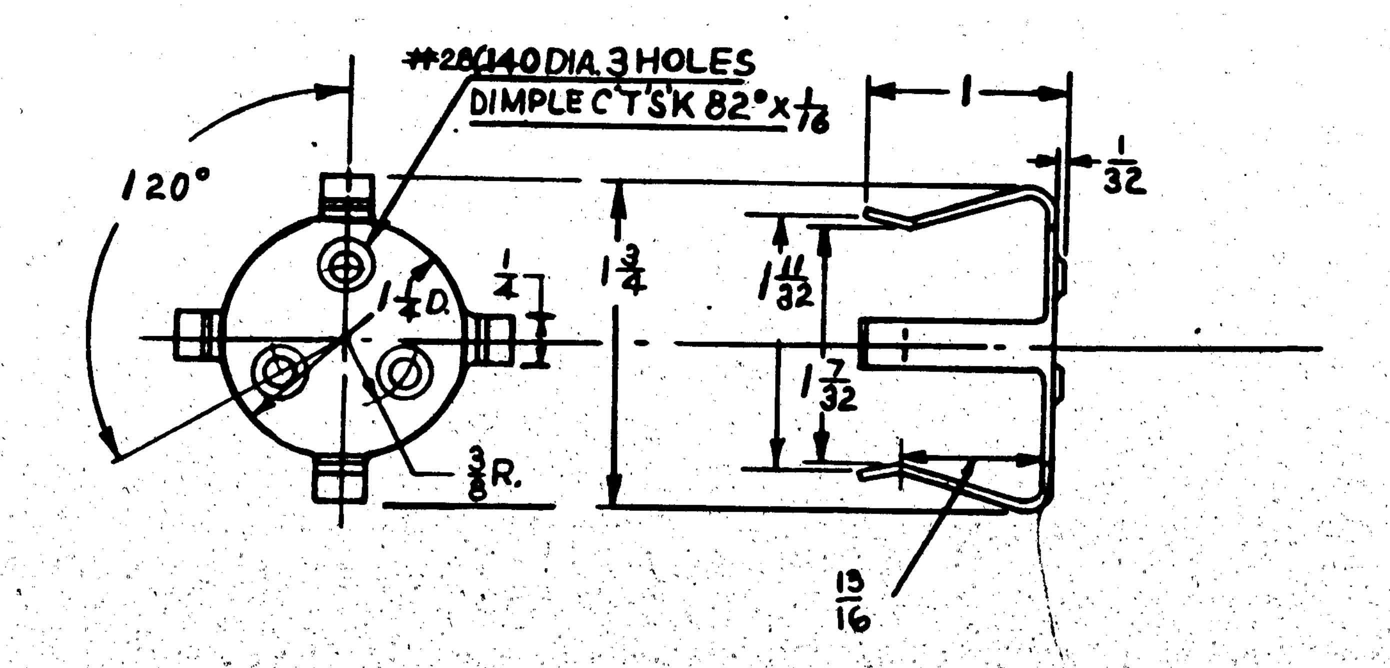
OPP. HAND

DWG. SIZE B 28F6915

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

	LET	ALTERATION-	DATE	BY
E.O. A58174	A	ADDED NOTE "SAE-1085---ALTERNATE"		
	.	WT. CHG. NEG.	12-31-42	[illegible]
E.O. A90959 CHG. 70(13-12)3	B	REVISED REQ. PER AIRPLANE BLOCK.		
	.	WT. CHG. NEG.	12-31-42	[illegible]



Ⓐ
NOTE:
S.A.E.-1085 STEEL, CAD. PLATE FINISH, MAY BE USED AS ALTERNATE.

CHG. 70(13-12)3
88476 (53 & ON)
91876 (9 & ON)

PURCHASE TO DWG.

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PB2Y-3	29F6625	1
	PBY-5A	28F7129	1
	PBY-5	28F7129	1

REQUIREMENTS PER AIRPLANE

REPLACES	.017# CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 LH REQ.	-0 RH REQ.	-2 LH REQ.	-2 RH REQ.	-3 LH REQ.	-3 RH REQ.	-4 LH REQ.	-4 RH REQ.	-5 LH REQ.	-5 RH REQ.
	.020 X 4 1/2 X 4 1/2	PHOS. BRONZE	46B14										

PARTS LIST PER ASSY.

AC		R.C. SMITH	[illegible]	[illegible]		[illegible]	
NAVY SPR. TEMPER	CAD. PLATE	9-1-42	[illegible]		[illegible]	9-7-42	[illegible]
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

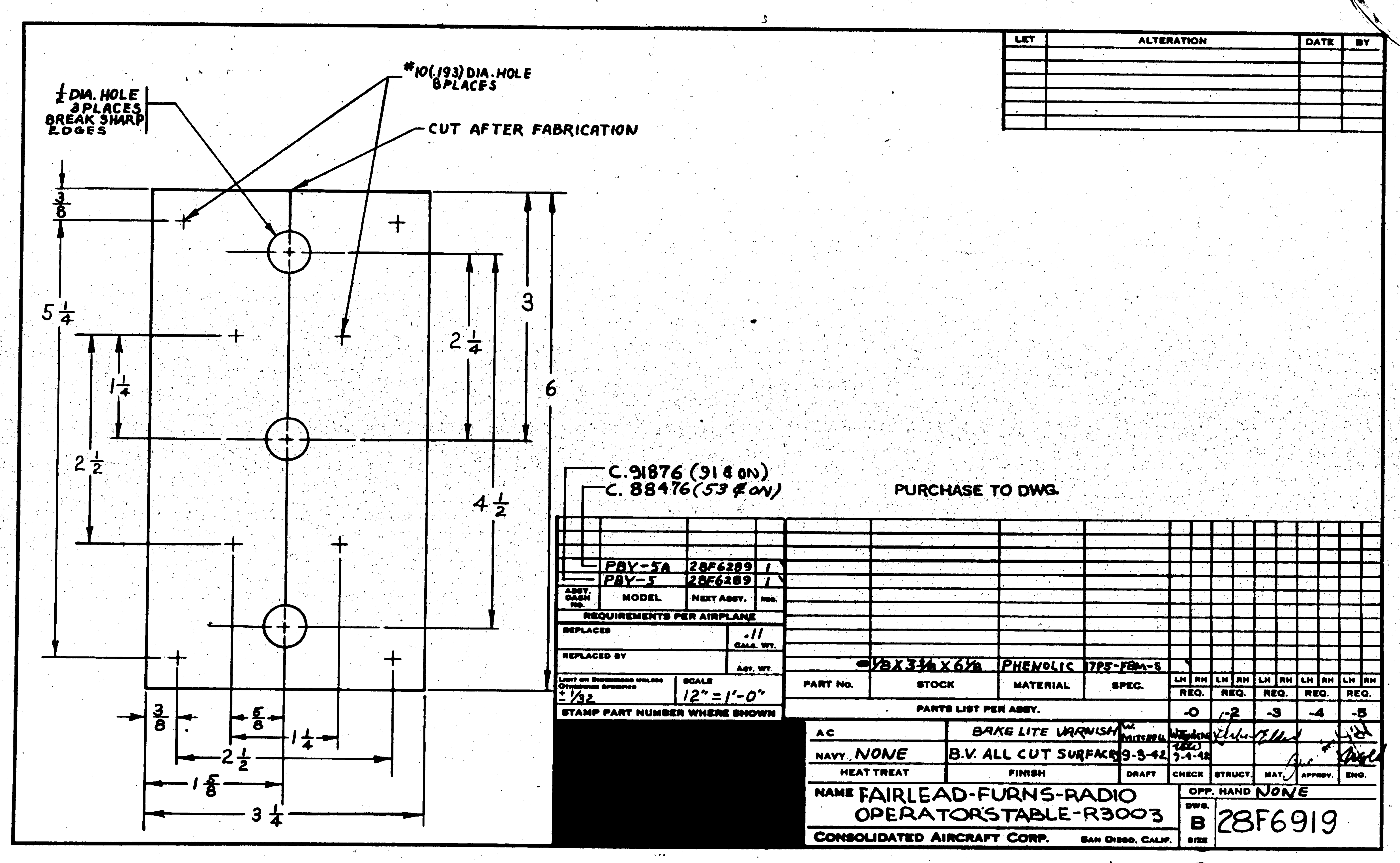
NAME HOLDER-FURNS-ABD RECEIVER-PLUG

OPP. HAND NONE

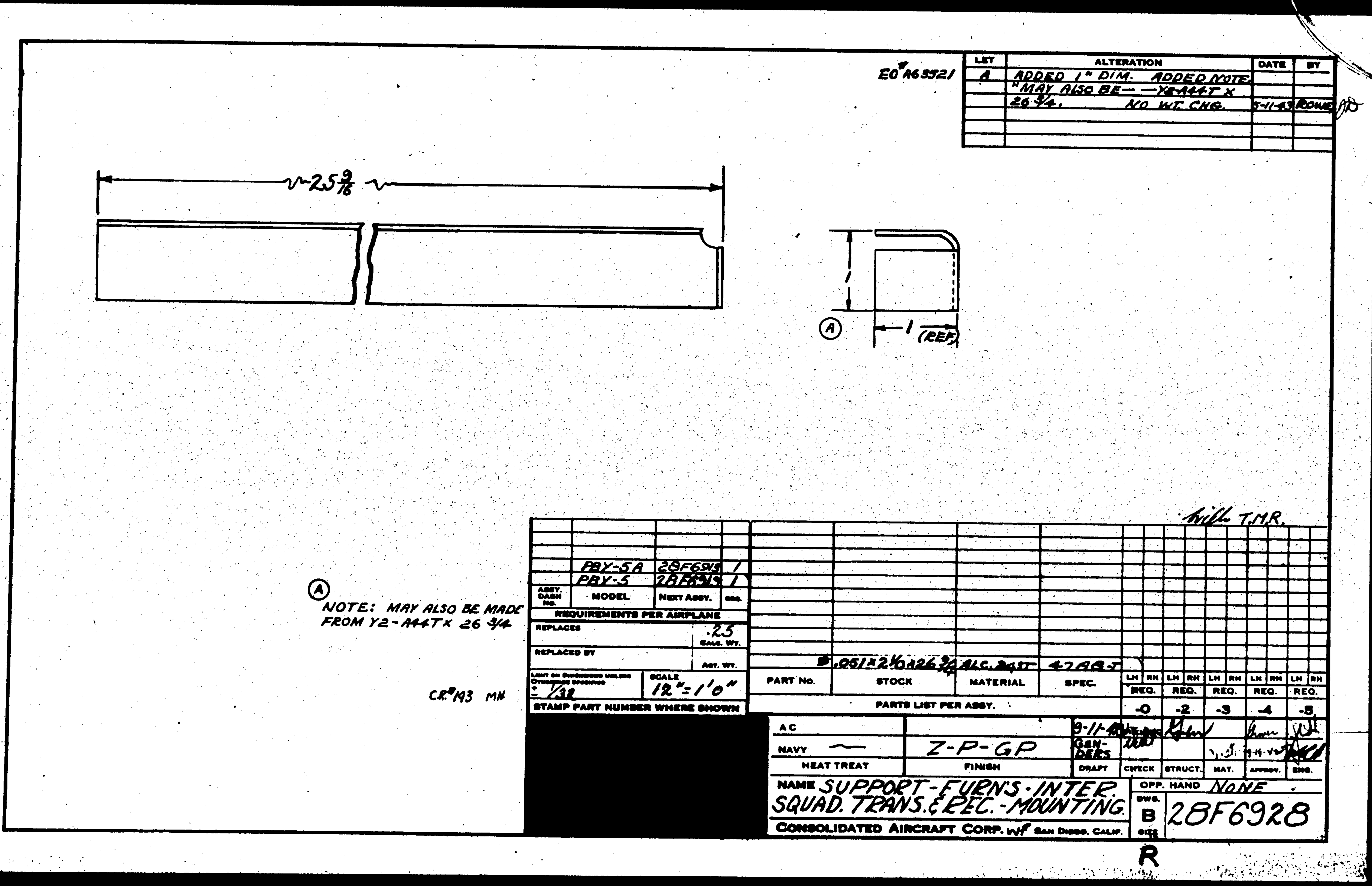
DWG. SIZE B — 28F6918

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

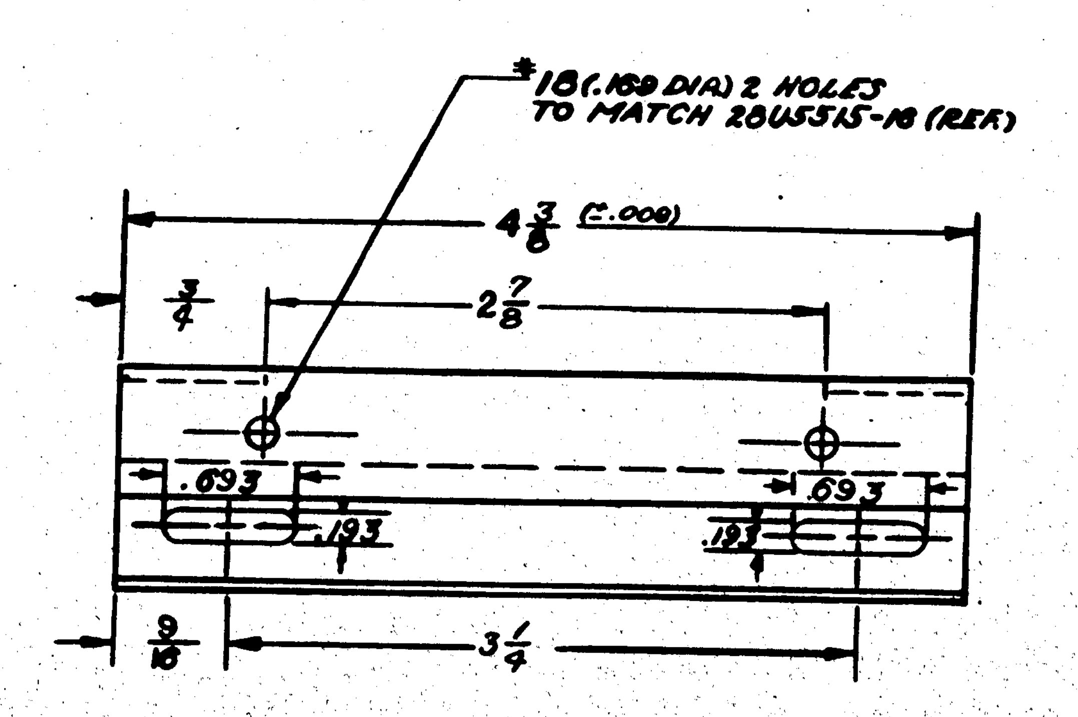
R

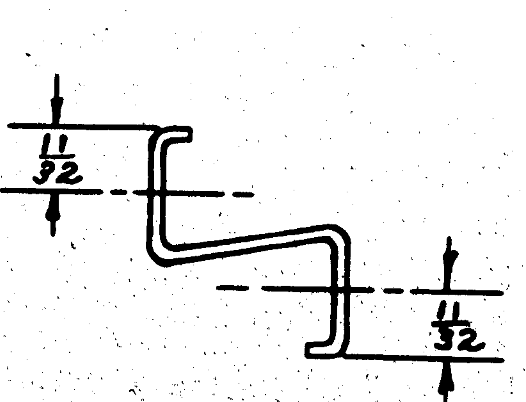


1/2 DIA. HOLE 3 PLACES BREAK SHARP EDGES
#10(.193) DIA. HOLE 8 PLACES
CUT AFTER FABRICATION
3/8
5 1/4
1 1/4
2 1/2
3
2 1/4
6
4 1/2
3/8
5/8
1 1/4
2 1/2
1 5/8
3 1/4
LET
ALTERATION
DATE
BY
C.91876 (91 ¢ ON)
C.88476 (53 ¢ ON)
PURCHASE TO DWG.
PBY-5A 28F6289 1
PBY-5 28F6289 1
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.11
CALC. WT.
REPLACED BY
ACT. WT.
± 1/32
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
1/8 X 3 3/8 X 6 1/8
PHENOLIC
17P5-F8M-8
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
AC
NAVY NONE
HEAT TREAT
BAKE LITE VARNISH
B.V. ALL CUT SURFACES
FINISH
9-3-42
9-4-42
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NAME FAIRLEAD-FURNS-RADIO OPERATOR'S TABLE-R3003
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
OPP. HAND NONE
DWG. B SIZE
28F6919
R

EO# A63521
LET
ALTERATION
DATE
BY
A
ADDED 1" DIM. ADDED NOTE "MAY ALSO BE— —Y2-A44T X 26 3/4.
NO WT. CHG.
5-11-43
25 9/16
1
1 (REF)
A
NOTE: MAY ALSO BE MADE FROM Y2-A44T X 26 3/4
CR# 143 MN
PBY-5A 28F6915 1
PBY-5 28F6915 1
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.25
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/32
SCALE
12" = 1'0"
STAMP PART NUMBER WHERE SHOWN
.051 x 2 1/16 x 26 3/4
ALC. 24ST
47A9-T
PART No.
STOCK
MATERIAL
SPEC.
LH RH
REQ.
PARTS LIST PER ASSY.
-0
-2
-3
-4
-5
AC
NAVY
Z-P-GP
HEAT TREAT
FINISH
9-11-42
GEN-DERS
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
T.M.R.
NAME SUPPORT-FURN'S.-INTER. SQUAD. TRANS. & REC.-MOUNTING.
OPP. HAND NONE
DWG.
B
SIZE
28F6928
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R

LET	ALTERATION		DATE	BY
B	TRACED	NO.WT.CHG.	10-12-43	OLIVER





C.NO2(S)464
M.C.R.153

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28F6933	2
	PBY-5	28F6933	2

REQUIREMENTS PER AIRPLANE

REPLACES 28F6934 9-11-42 | .06 CALC. WT.

REPLACED BY | ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 | SCALE 12"=1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 LH/RH REQ.	-2 LH/RH REQ.	-3 LH/RH REQ.	-4 LH/RH REQ.	LH/RH REQ.
	Y-37-A20RT×4½							

PARTS LIST PER ASSY.

AC		9-11-42				JH
NAVY NONE	Z-P-GP	DOR-RANCE 9-15-42				
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV. / ENG.

NAME SUPPORT-FURNS-INTERPHONE JC'T BOX

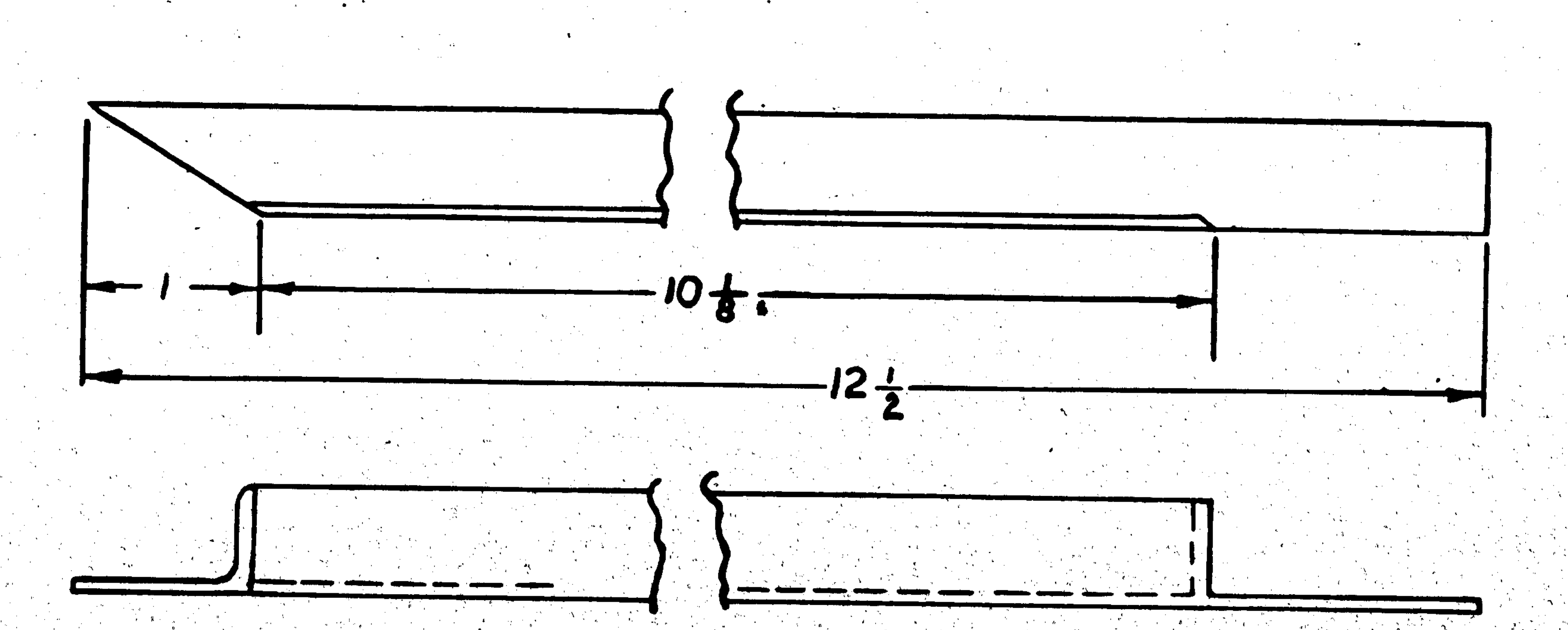
OPP. HAND

DWG. SIZE B 28F6934

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

28F6934



LET	ALTERATION	DATE	BY

NO2 (5) 464, #2 TO #100
C.91876, 90 & ON

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28F6712	1
	PBY-5	28F6712	1

REQUIREMENTS PER AIRPLANE

REPLACES	.09 CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 LH REQ.	-0 RH REQ.	-2 LH REQ.	-2 RH REQ.	-3 LH REQ.	-3 RH REQ.	-4 LH REQ.	-4 RH REQ.	-5 LH REQ.	-5 RH REQ.
	K13624 X 12 5/8	AL. AL. 24ST	46A9-T.										

PARTS LIST PER ASSY.

AC		W. MITCHELL					
NAVY	Z-P-GP	9-12-42	9-12-42		9-15-42		
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

NAME BRACE-FURNS.-DUPLEXING UNIT BASE

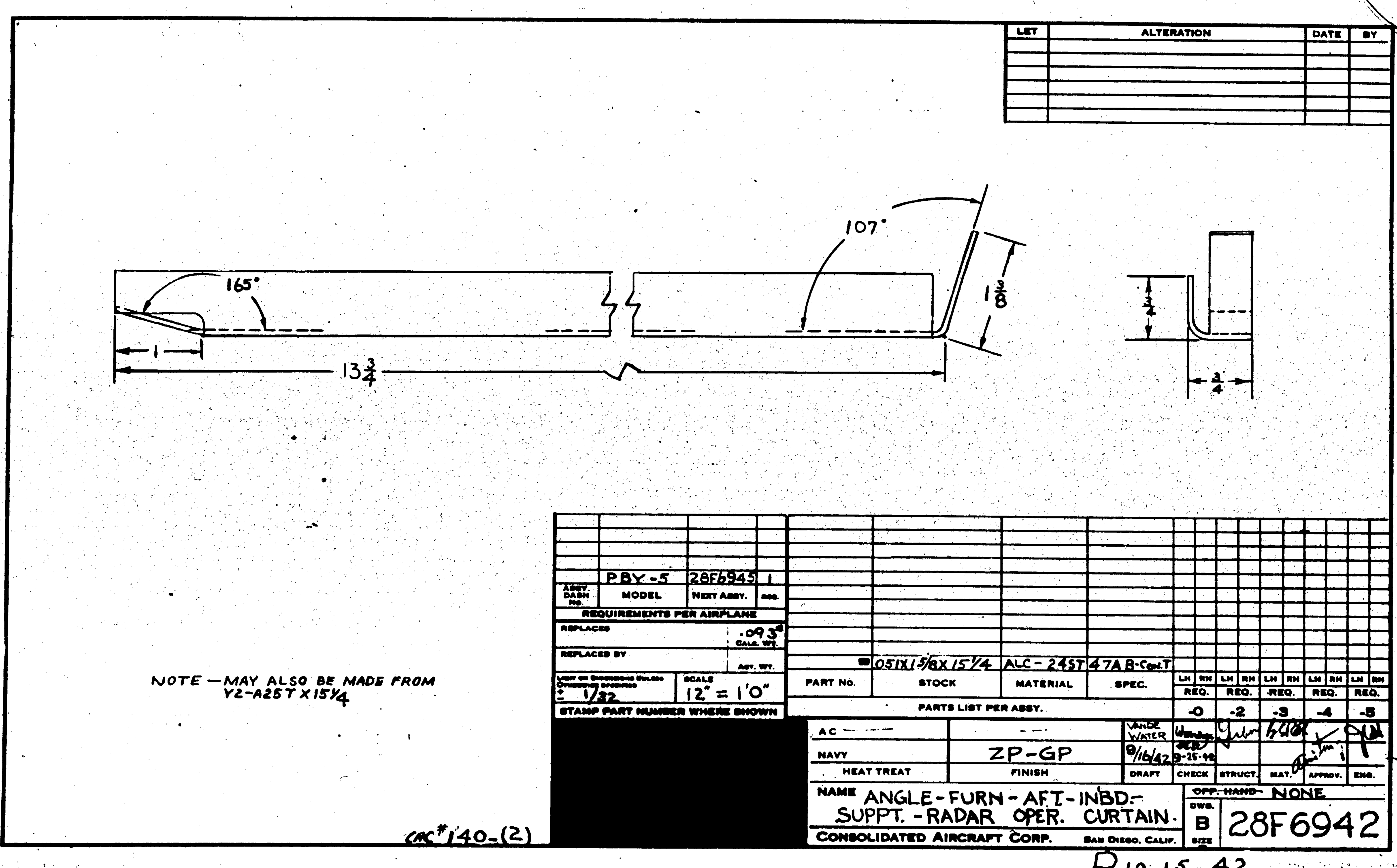
OPP. HAND NONE

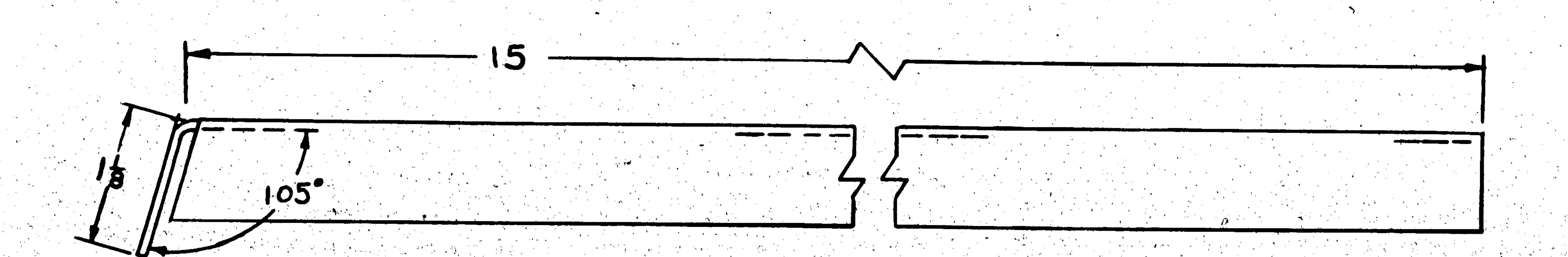
DWG. SIZE B 28F6936

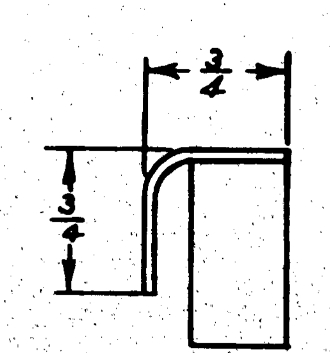
CONSOLIDATED AIRCRAFT CORP. WF SAN DIEGO, CALIF.

28F6936

R


LET
ALTERATION
DATE
BY
107°
165°
1 3/8
3/4
1
13 3/4
3/4
NOTE — MAY ALSO BE MADE FROM
Y2-A25T X 15 1/4
PBY-5
28F6945
1
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.093#
CALC. WT.
REPLACED BY
ACT. WT.
± 1/32
SCALE
12" = 1'0"
STAMP PART NUMBER WHERE SHOWN
.051X1 5/8X15 1/4
ALC - 24ST
47AB-Cont.
PART No.
STOCK
MATERIAL
SPEC.
LH
RH
REQ.
PARTS LIST PER ASSY.
-0
-2
-3
-4
-5
AC
NAVY
ZP-GP
HEAT TREAT
FINISH
VANDE WATER
8/16/42
9-25-42
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NAME ANGLE-FURN-AFT-INBD-SUPPT.-RADAR OPER. CURTAIN.
OPP. HAND NONE
DWG. SIZE
B
28F6942
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
CAC #140-(2)
R 10-15-42





LET	ALTERATION	DATE	BY

NOTE–MAY ALSO BE MADE FROM
Y2-A24T X16¼

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5	28F6945	1

REQUIREMENTS PER AIRPLANE

REPLACES — .082 CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'0"
STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.
	.040 X 1⅝ X 16¼	ALC-24ST	47A8-CONT

PARTS LIST PER ASSY. — REQ. -0, -2, -3, -4, -5

AC	—		VANDEWATER 9/15/42	WEINBERG 9-23-42				
NAVY	—	ZP-GP						
HEAT TREAT		FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

NAME ANGLE-FURN-AFT.-OUT'BD.-SUPPT-RADAR OPER CURTAIN.

~~OPP. HAND~~ NONE

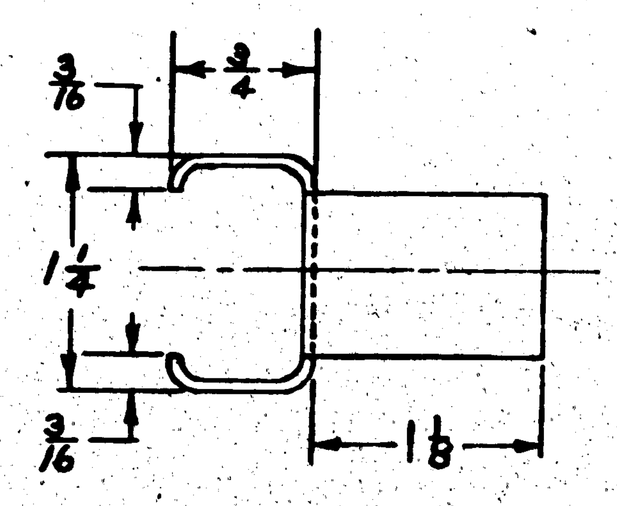
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

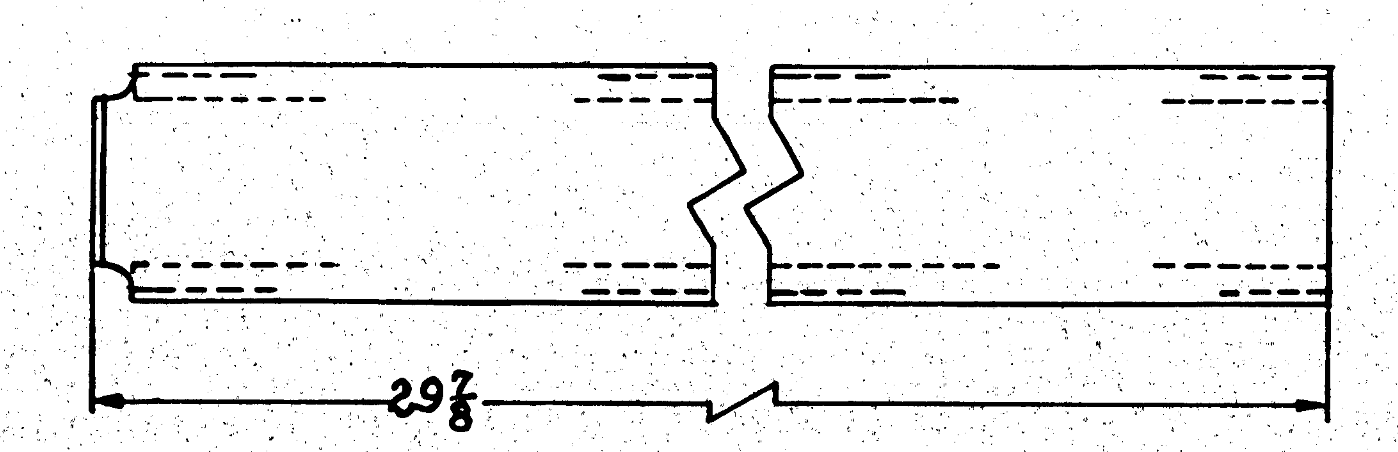
DWG. SIZE B — 28F6943

(A #140(2)

R

LET	ALTERATION	DATE	BY





NOTE - MAY ALSO BE MADE FROM
Y12-A16T X 3 1/4

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5	28F6945	1

REQUIREMENTS PER AIRPLANE

REPLACES | .40# CALC. WT.
REPLACED BY | ACT. WT.
LIMIT OR DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 | SCALE 12" = 1' 0"
STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	LH REQ. -0	RH REQ. -0	LH REQ. -2	RH REQ. -2	LH REQ. -3	RH REQ. -3	LH REQ. -4	RH REQ. -4	LH REQ. -5	RH REQ. -5
	.051 X 3 3/8 X 31 1/4	ALC-24ST	47A8 CON'T										

PARTS LIST PER ASSY.

HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.
AC —		VANDEWATER 9/16/42	9-25-42				
NAVY —	ZP - GP						

NAME ANGLE - FURN - INBD. SUPP'T. - STA 2.0 TO 2.5 - RADAR OPER. CURT'N

NONE.

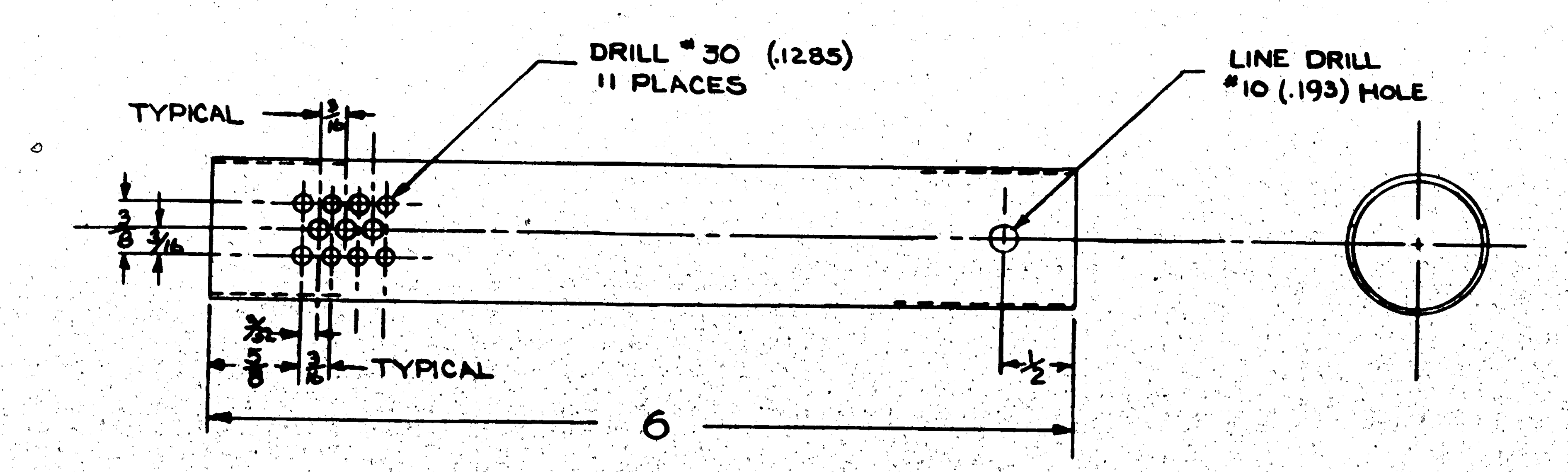
DWG. SIZE B | 28F6944

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

CH #140-2

R (CH) 10-5-42

LET	ALTERATION	DATE	BY
A	REM. MAT.- ST. STL. 321, SPEC.- AN-WW-T-858 & ADDED NOTED. ADDED MAT. NOTE #1, NO WT. CHG.	10-2-43	CRAIG



1-MATERIAL MAY BE:-
(A) 321 STAINLESS STEEL TUBING, SPEC.-AN-WW-T-858, OR
(B) STAINLESS STEEL TUBING, SPEC.-AN-WW-T-855, COND. A.

M.C. #16X(1)

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28F6963	1
	PBY-5	28F6963	1

REQUIREMENTS PER AIRPLANE

REPLACES	.17 CALC. WT.
REPLACED BY	ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	SCALE
± 1/64	12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
	.035 x 1 OD TUBE x 6 1/8	NOTED	NOTED	1				

PARTS LIST PER ASSY.

AC		DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.
NAVY	NONE	VANDEWATER 9/29/42	10-7-42				
HEAT TREAT	FINISH						

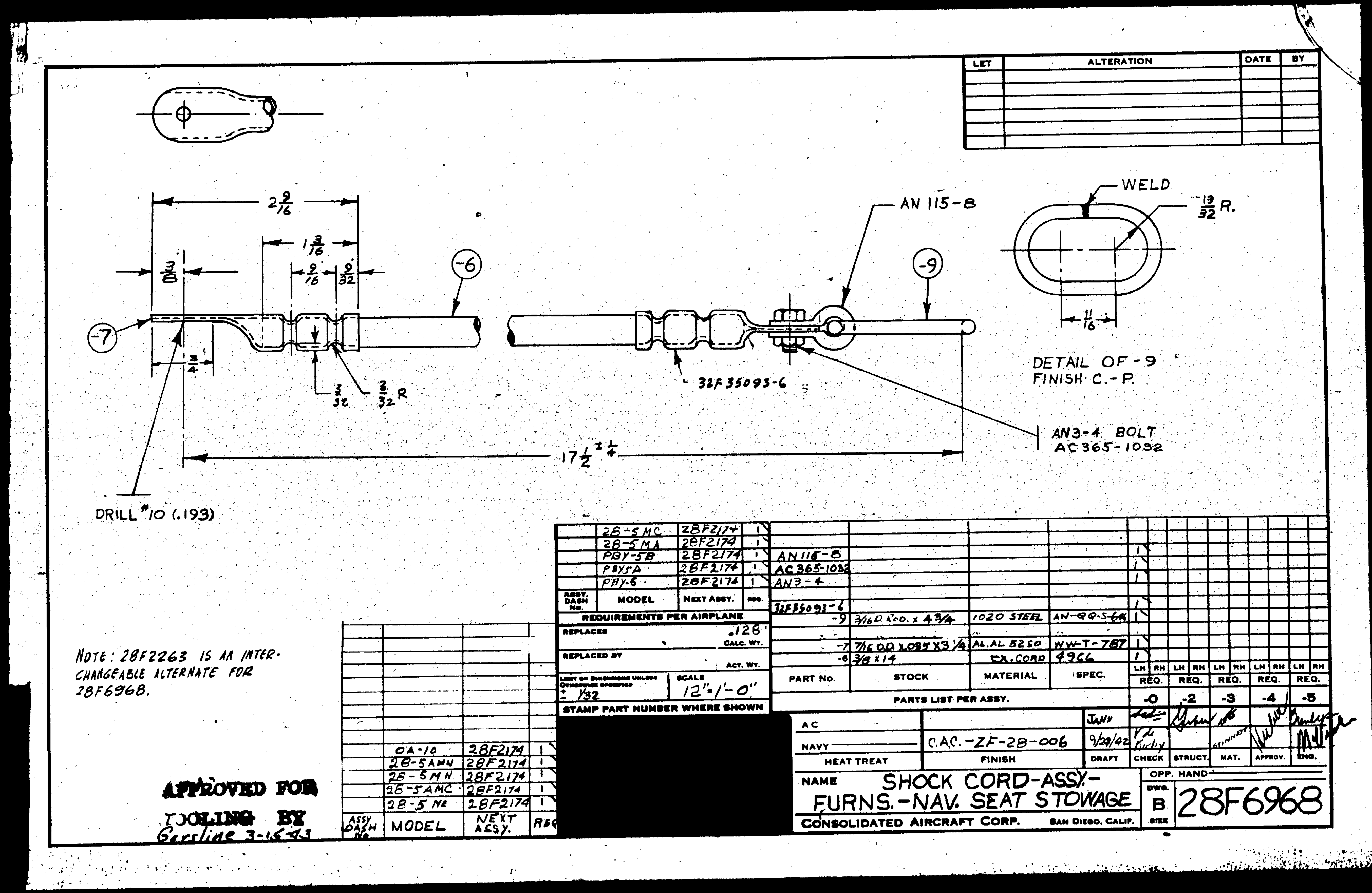
NAME TUBE - FURN - RADAR OPERATOR'S VENTILATOR.

OPP. HAND NONE

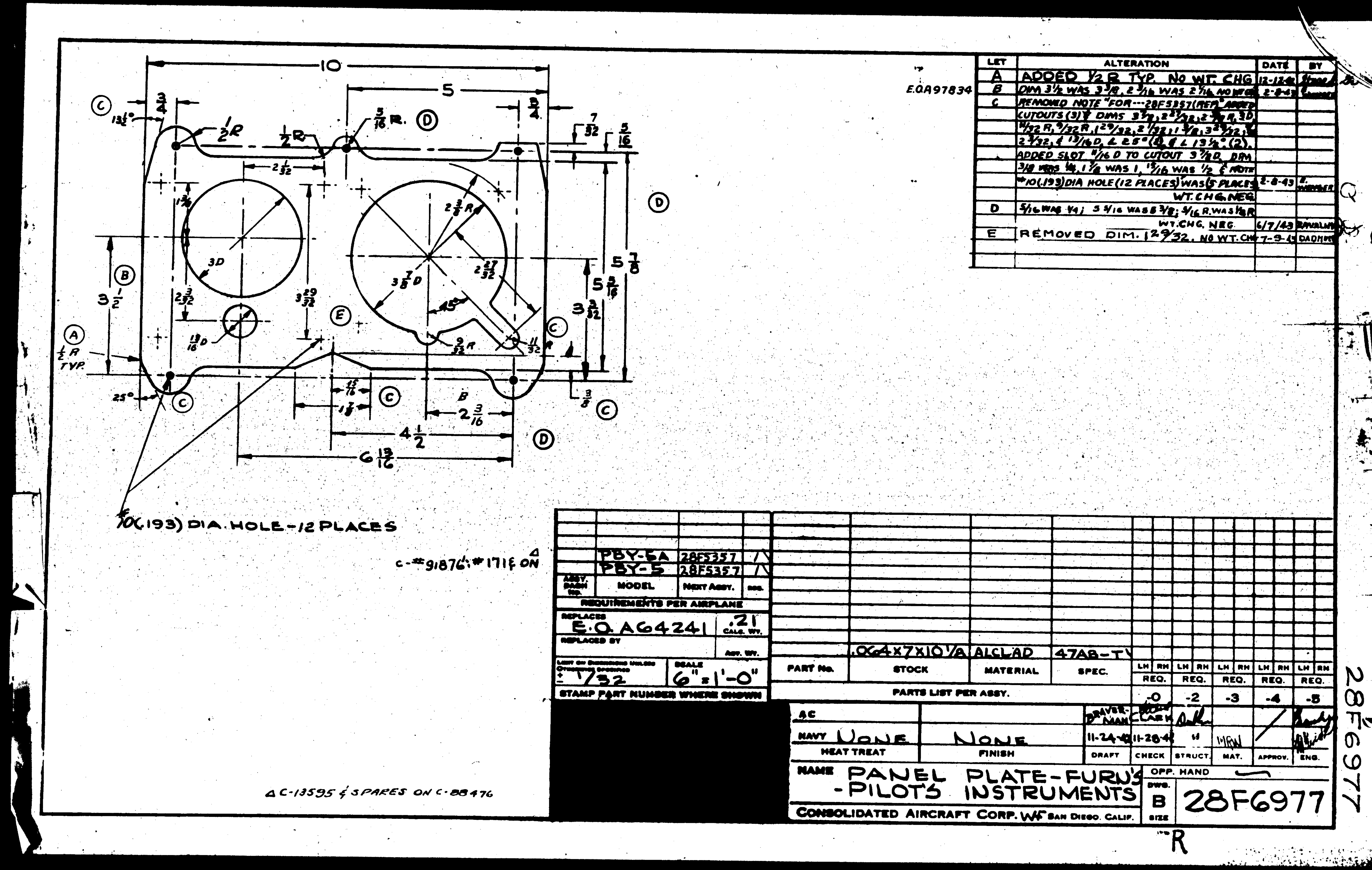
DWG. SIZE B 28F6962

CONSOLIDATED AIRCRAFT CORP. WF SAN DIEGO, CALIF.

28F6962

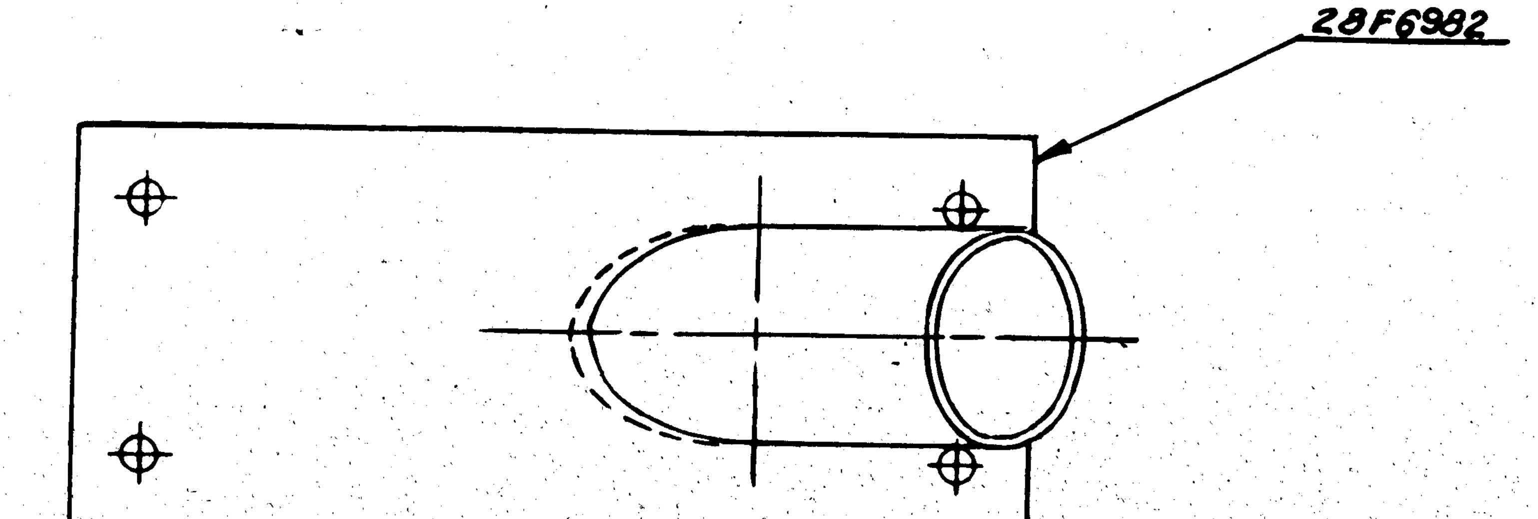


LET
ALTERATION
DATE
BY
$2\frac{9}{16}$
$1\frac{3}{16}$
$\frac{3}{8}$
$\frac{9}{16}$
$\frac{9}{32}$
-6
-7
$\frac{3}{4}$
$\frac{3}{32}$
$\frac{3}{32}$ R
32F35093-6
AN 115-8
-9
WELD
$\frac{13}{32}$ R.
$\frac{11}{16}$
DETAIL OF -9
FINISH C.-P.
AN3-4 BOLT
AC365-1032
$17\frac{1}{2} \pm \frac{1}{4}$
DRILL #10 (.193)
NOTE: 28F2263 IS AN INTER-
CHANGEABLE ALTERNATE FOR
28F6968.
APPROVED FOR
TOOLING BY
Garsline 3-15-43
28-5MC 28F2174 1
28-5MA 28F2174 1
PBY-5B 28F2174 1
PBY5A 28F2174 1
PBY-6 28F2174 1
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.128
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/32
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
AN115-8 1
AC365-1032 1
AN3-4 1
32F35093-6 1
-9 3/16 D. ROD. x 4 3/4 1020 STEEL AN-QQ-S-646 1
-7 7/16 O.D. x .035 x 3 1/4 AL. AL 52SO WW-T-787 1
-6 3/8 x 14 EX. CORD 4966 1
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ. -0
LH RH REQ. -2
LH RH REQ. -3
LH RH REQ. -4
LH RH REQ. -5
PARTS LIST PER ASSY.
OA-10 28F2174 1
28-5AMN 28F2174 1
28-5MN 28F2174 1
28-5AMC 28F2174 1
28-5ME 28F2174 1
ASSY DASH No.
MODEL
NEXT ASSY.
REQ.
AC
NAVY
HEAT TREAT
C.A.C.-ZF-28-006
FINISH
JANN
9/29/42
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
OPP. HAND
NAME
SHOCK CORD-ASSY.-
FURNS.-NAV. SEAT STOWAGE
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
DWG. SIZE
B
28F6968



LET
ALTERATION
DATE
BY
A ADDED 1/2 R TYP. NO WT. CHG 12-12-41
B DIM 3 1/2 WAS 3 5/8, 2 3/16 WAS 2 1/16 NO WT CHG 2-8-43
C REMOVED NOTE "FOR---28F5357 (REF)" ADDED CUTOUTS (3) & DIMS
ADDED SLOT 11/16 D TO CUTOUT 3 7/8 D. DIM
#10(.193) DIA HOLE (12 PLACES) WAS (5 PLACES) 2-8-43
WT. CHG. NEG.
D 5/16 WAS 1/4; 5 5/16 WAS 5 3/8; 5/16 R. WAS 1/8 R
WT. CHG. NEG. 6/7/43
E REMOVED DIM. 1 29/32. NO WT. CHG 7-3-43
E.O.A 97834
10
5
3/4
1/2 R
5/16 R.
7/32
5/16
2 1/32
3D
3 7/8 D
2 3/8 R
2 27/32
45°
9/32 R
11/32 R
13/16 D
3 1/2
2 3/32
3 29/32
5 7/8
5 5/16
3 3/32
1/2 R TYP.
25°
13 1/2°
4 1/2
6 13/16
2 3/16
1 7/8
45/16
3/8
#10(.193) DIA. HOLE - 12 PLACES
C-#91876: #1718 ON
PBY-5A 28F5357
PBY-5 28F5357
ASSY. DASH No.
MODEL
NEXT ASSY.
REQUIREMENTS PER AIRPLANE
REPLACES
E.O. A64241
.21 CALC. WT.
REPLACED BY
ACT. WT.
± 1/32
SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.064 X 7 X 10 1/4 ALCLAD 47AB-T
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
AC
NAVY None None
HEAT TREAT
FINISH
11-24-41 11-28-41
DRAFT CHECK STRUCT. MAT. APPROV. ENG.
NAME PANEL PLATE - FURN'G - PILOT'S INSTRUMENTS
OPP. HAND
DWG. B SIZE 28F6977
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
C-13595 & SPARES ON C-88476
28F6977
R

LET	ALTERATION	DATE	BY



NOTE:-
CADMIUM PLATE AFTER ASS'Y.

28F6981

45°

1/16

WELD ON BOTTOM SIDE & BREAK ROUGH EDGES

MC# 151-2

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
0	PBY-5A	28W004	2
0	PBY-5	28W004	2

REQUIREMENTS PER AIRPLANE

REPLACES	.462 CALC. WT.
REPLACED BY	ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	SCALE 12"=1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	-0 LH REQ.	-0 RH REQ.	-2 LH REQ.	-2 RH REQ.	-3 LH REQ.	-3 RH REQ.	-4 LH REQ.	-4 RH REQ.	-5 LH REQ.	-5 RH REQ.
28F6982				1									
28F6981				1									

PARTS LIST PER ASSY.

AC		10-17-42					
NAVY None	Noted	GENDERS				11-21-44	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

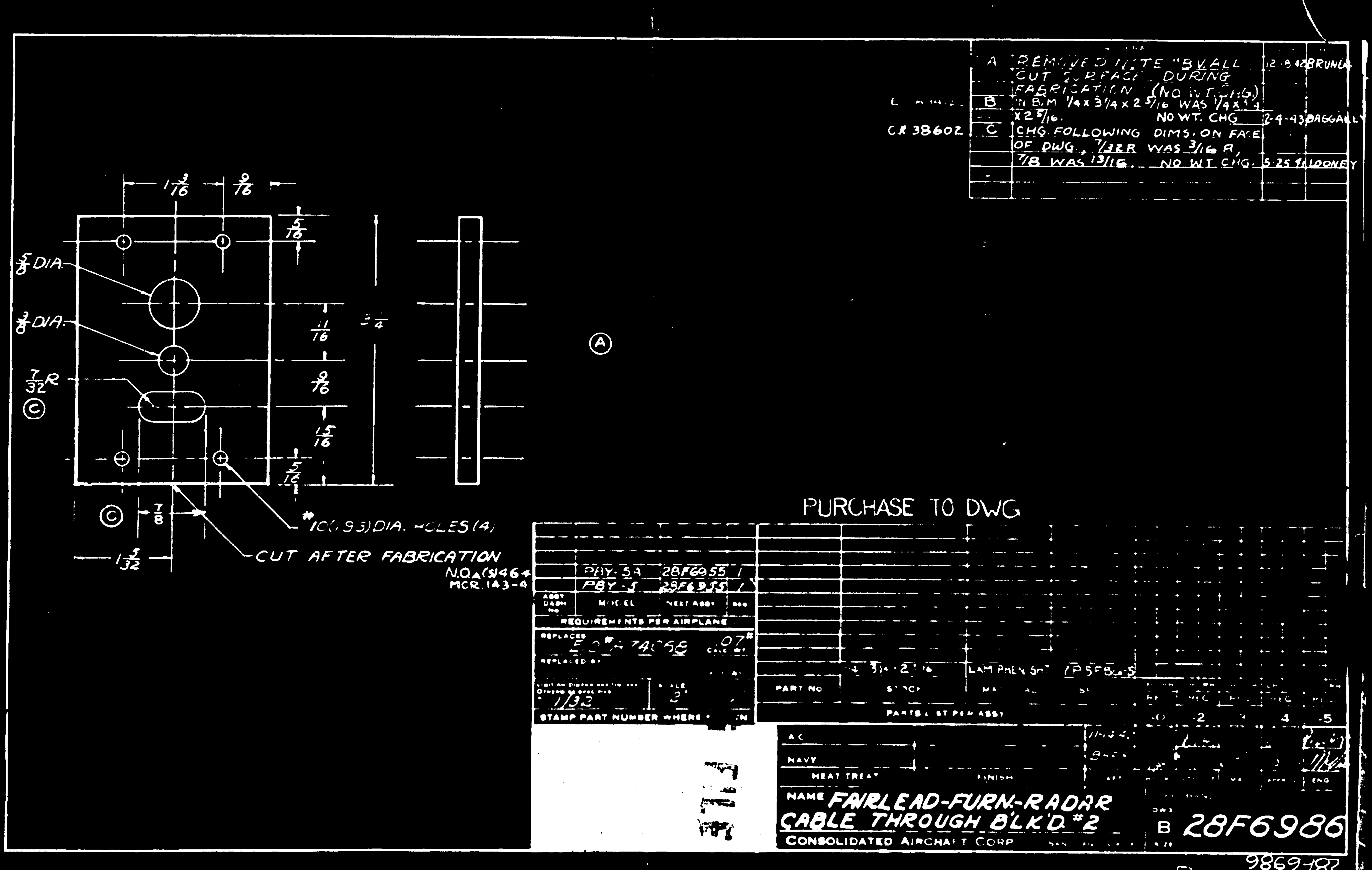
NAME ASS'Y-FURN-RADAR WING LEAD OUT

OPP. HAND None

DWG. SIZE B 28F6983

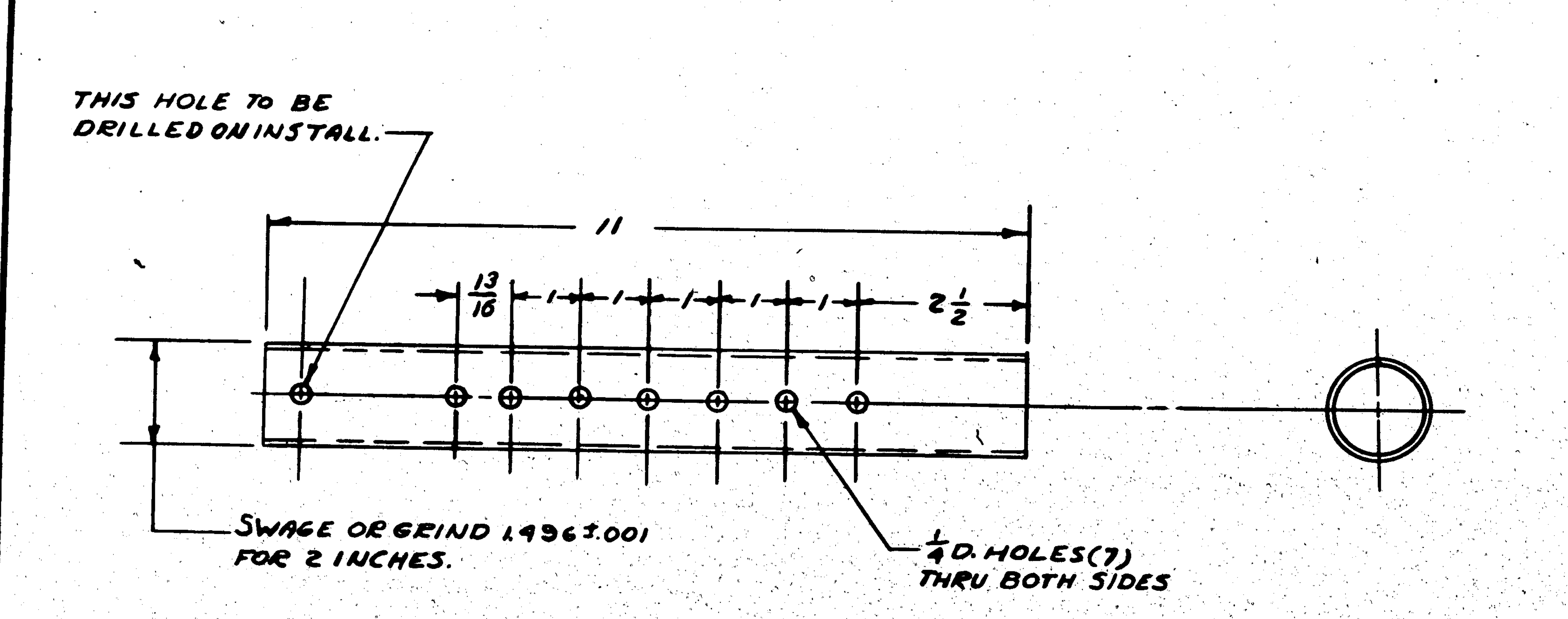
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R



A REMOVED NOTE "BV ALL CUT SURFACES DURING FABRICATION (NO WT. CHG)
12-8-42 BRUNER
B N.B.M 1/4 x 3 1/4 x 2 5/16 WAS 1/4 x 3 1/4 x 2 5/16. NO WT. CHG
2-4-43 BAGGALEY
C.R 38602
C CHG. FOLLOWING DIMS. ON FACE OF DWG., 7/32 R WAS 3/16 R, 7/8 WAS 13/16. NO WT. CHG.
5-25 LOONEY
5/8 DIA.
3/8 DIA.
7/32 R
#10 (.193) DIA. HOLES (4)
CUT AFTER FABRICATION
PURCHASE TO DWG
N.O.A(S)464
MCR.143-4
PBY-5A 28F6955
PBY-5 28F6955
MODEL
NEXT ASSY
REQUIREMENTS PER AIRPLANE
REPLACED
.07#
REPLACED BY
1/32
SCALE 2"
STAMP PART NUMBER WHERE
PART NO
STOCK
PARTS LIST PER ASSY
NAVY
HEAT TREAT
FINISH
NAME FAIRLEAD-FURN-RADAR CABLE THROUGH BLK'D #2
CONSOLIDATED AIRCRAFT CORP
B 28F6986
R 11-20-42

LET	ALTERATION	DATE	BY



NOTE:
NO PAINT ON OUTSIDE.

C.A.C.CH. #126-1

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5	28F6993	1

REQUIREMENTS PER AIRPLANE

REPLACES	.91 CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 & NOTED	SCALE 6" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	LH	RH	LH	RH	LH	RH	LH	RH	LH	RH
	.065 x 1 1/2 O.D. x 11	C.M.ST. TUBE	AN-W-W-T-850-COND-N										
				REQ.		REQ.		REQ.		REQ.		REQ.	
PARTS LIST PER ASSY.				-0		-2		-3		-4		-5	

AC		WALLACE					
NAVY NONE	C-P-GP INSIDE & OUT EXCEPT AS NOTED	11-9-42	LINN				
HEAT TREAT	FINISH	DRAFT	CHECK	STR.	MAT.	APPROV.	ENG.

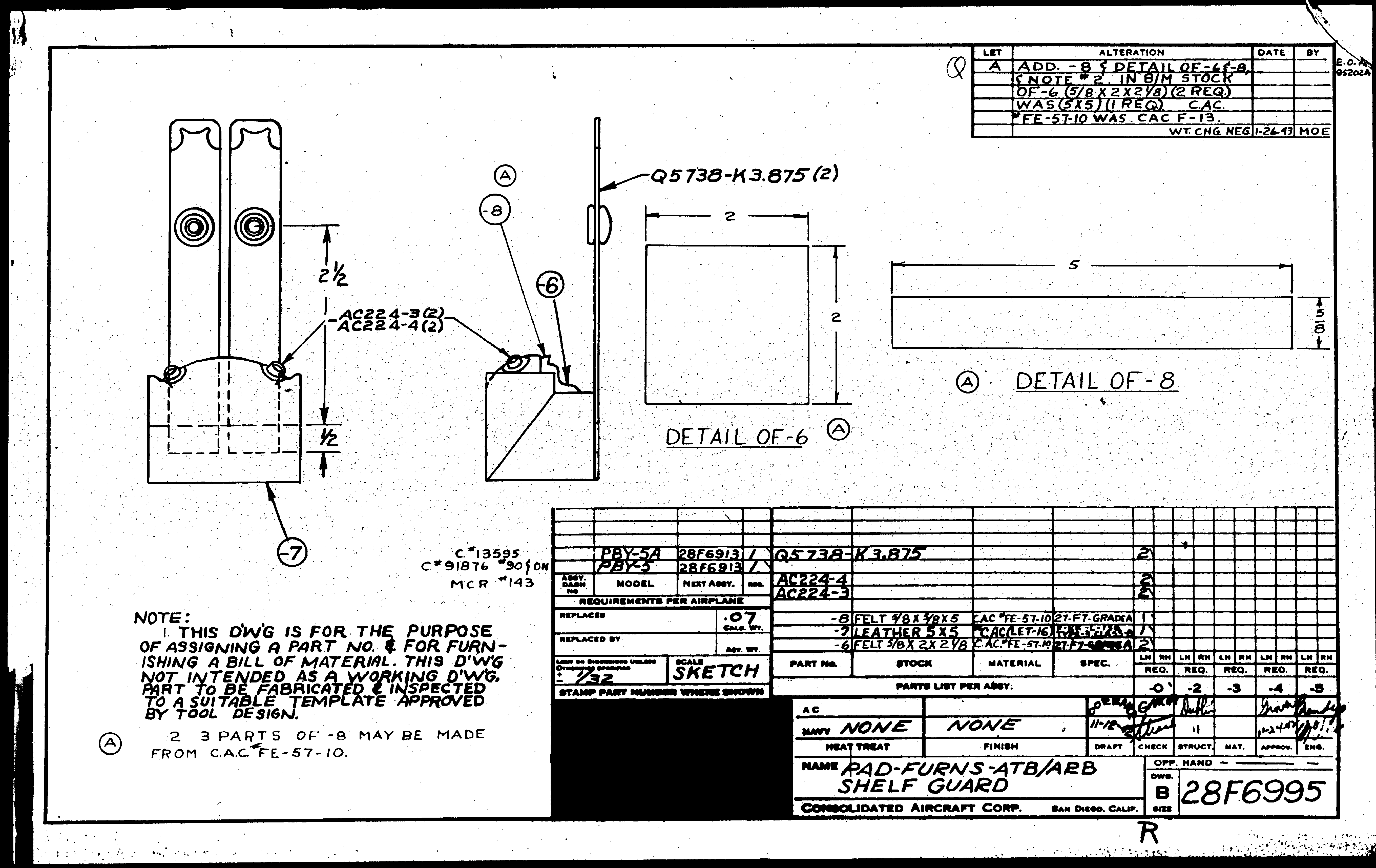
NAME SUPPORT-FURNS.-LEG-BOMBER'S ADJ. SEAT

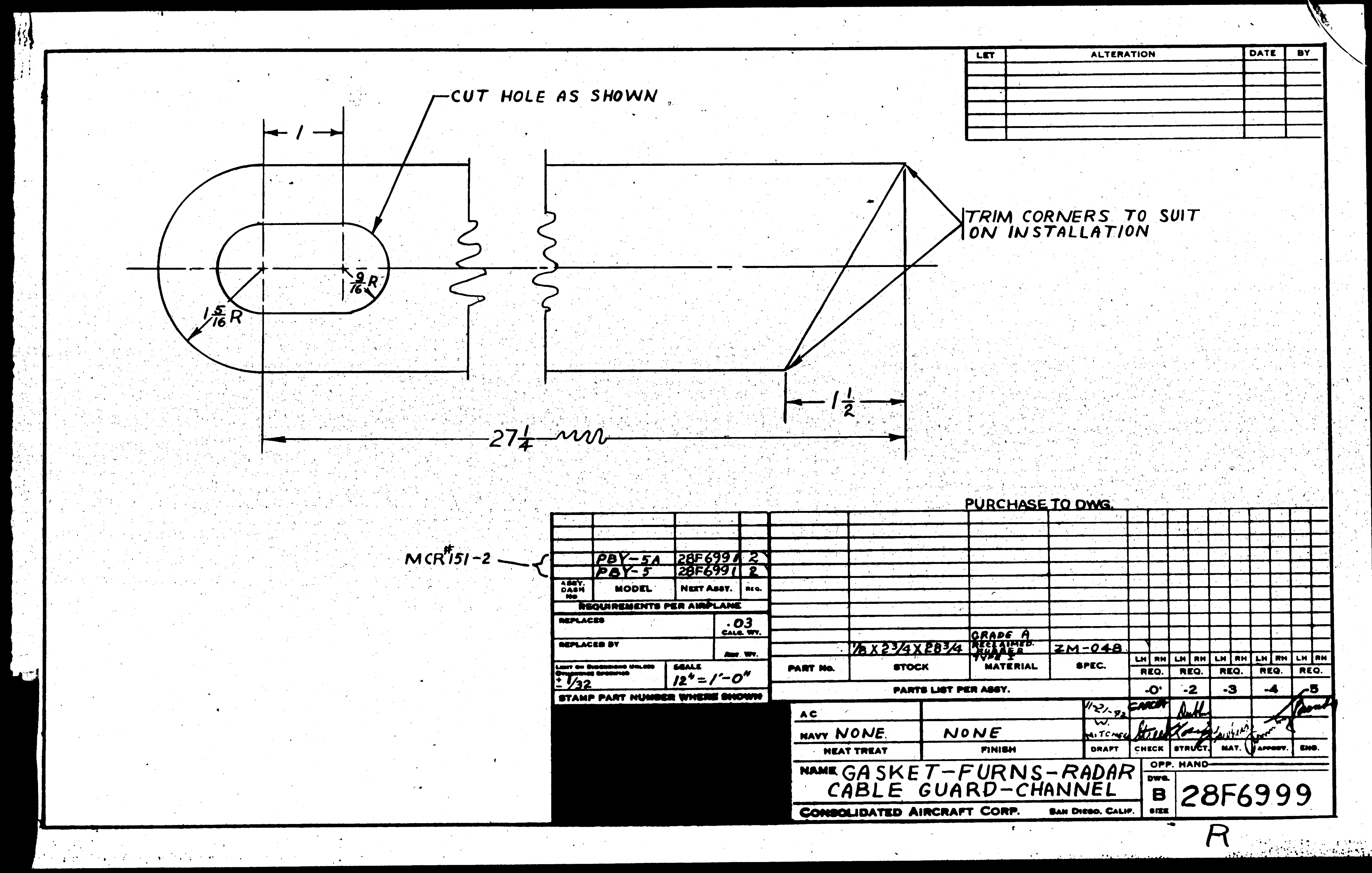
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

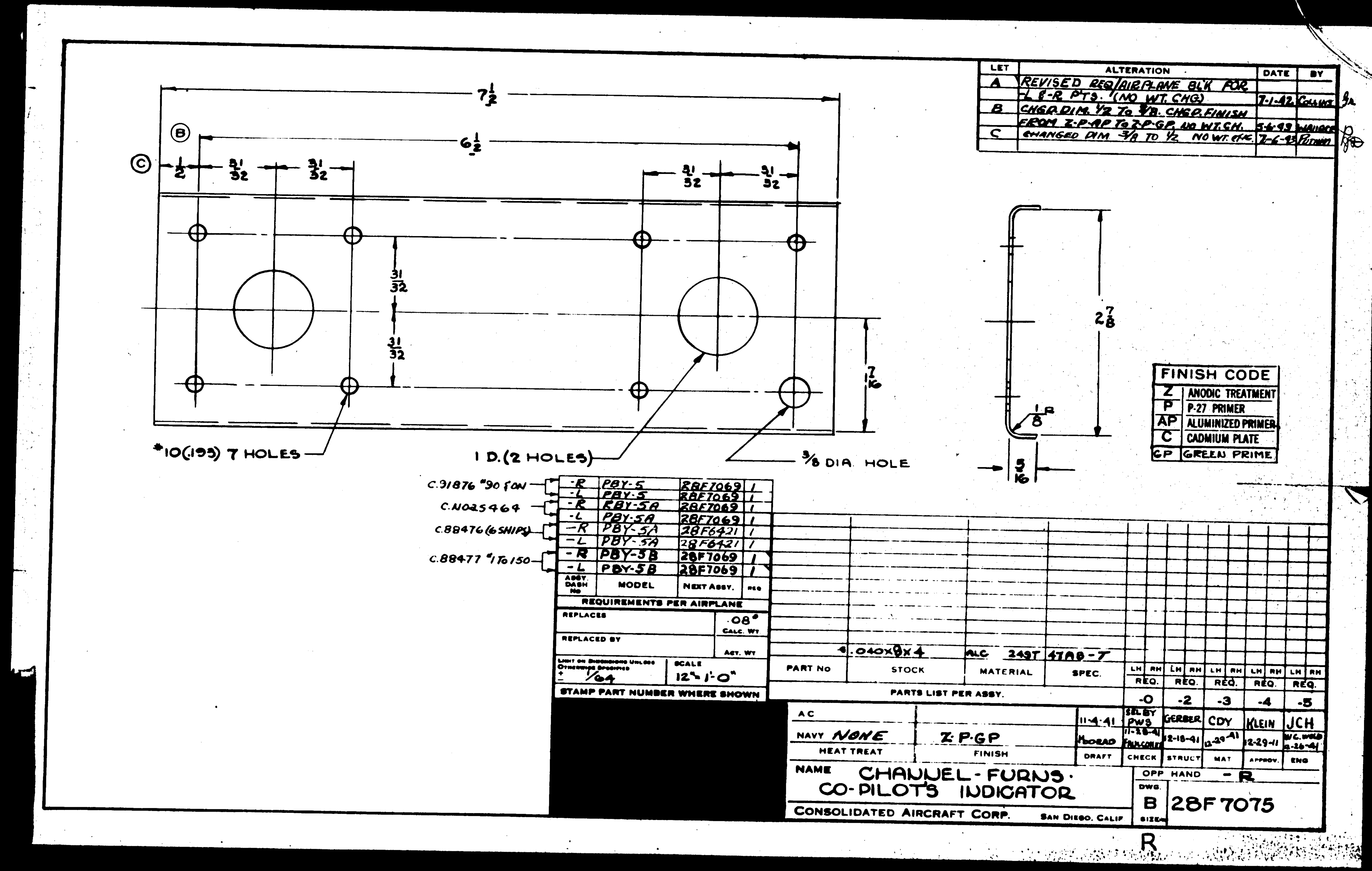
OPP. HAND

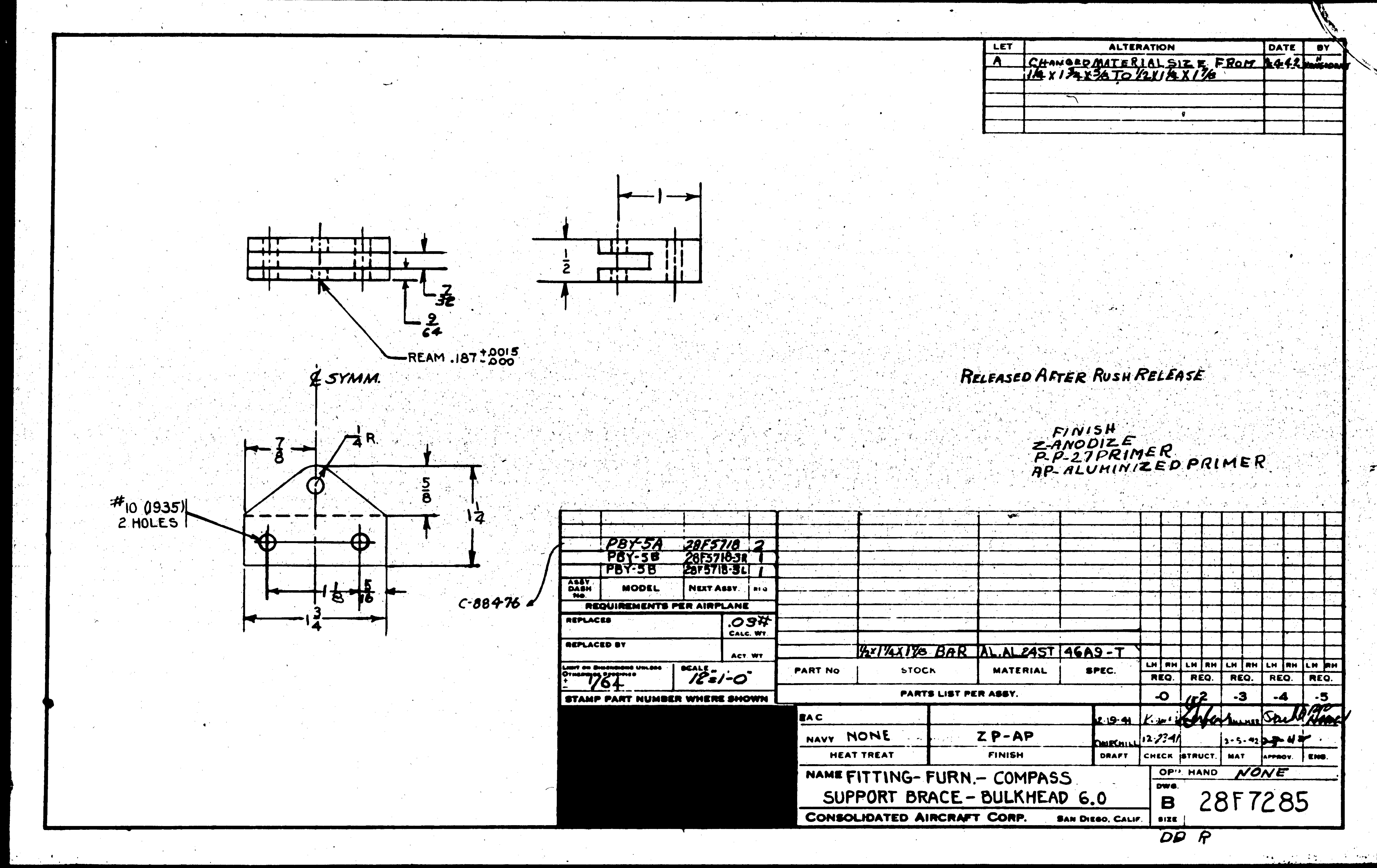
DWG. SIZE B 28F6992

R

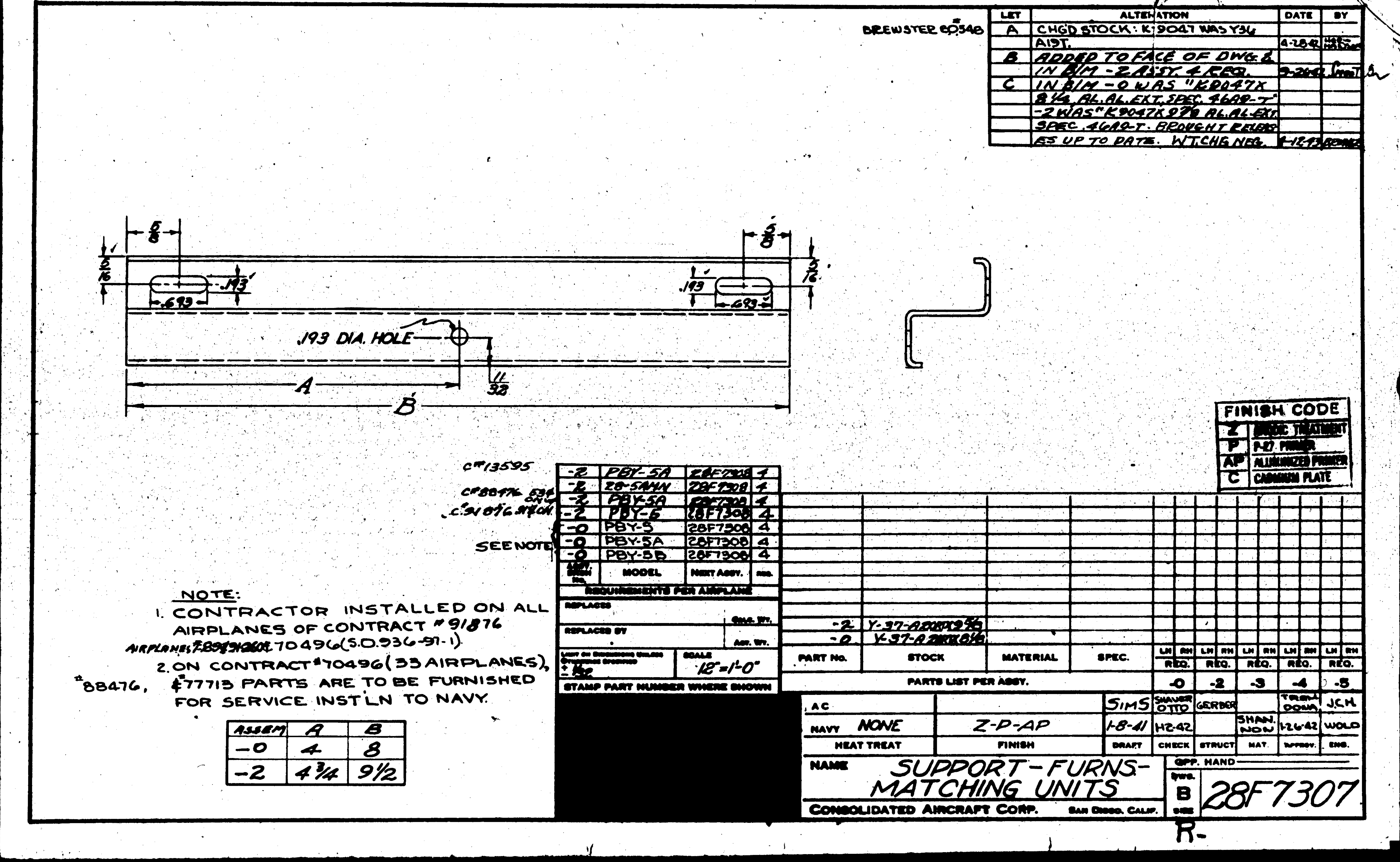

LET | ALTERATION | DATE | BY
A | ADD. -8 & DETAIL OF -6 & -8, & NOTE #2. IN B/M STOCK OF -6 (5/8 X 2 X 2 1/8) (2 REQ.) WAS (5X5) (1 REQ.) C.A.C. #FE-57-10 WAS CAC F-13. WT. CHG. NEG | 1-26-43 | MOE
E.O. 95202A
Q5738-K3.875 (2)
2 1/2
AC224-3 (2)
AC224-4 (2)
1/2
-8
-6
-7
2
2
DETAIL OF -6
5
5/8
DETAIL OF -8
C. #13595
C. #91876 #90 & ON
MCR #143
NOTE:
1. THIS D'W'G IS FOR THE PURPOSE OF ASSIGNING A PART NO. & FOR FURNISHING A BILL OF MATERIAL. THIS D'W'G NOT INTENDED AS A WORKING D'W'G. PART TO BE FABRICATED & INSPECTED TO A SUITABLE TEMPLATE APPROVED BY TOOL DESIGN.
2. 3 PARTS OF -8 MAY BE MADE FROM C.A.C. #FE-57-10.
PBY-5A | 28F6913 | 1
PBY-5 | 28F6913 | 1
ASSY. DASH No | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
Q5738-K3.875 | 2
AC224-4 | 2
AC224-3 | 2
-8 | FELT 5/8 X 5/8 X 5 | C.A.C. #FE-57-10 | 27-F7-GRADE A | 1
-7 | LEATHER 5 X 5 | #CAC (LET-16) | 1
-6 | FELT 5/8 X 2 X 2 1/8 | C.A.C. #FE-57-10 | 27-F7-GRADE A | 2
PART No. | STOCK | MATERIAL | SPEC. | LH RH REQ. -0 | -2 | -3 | -4 | -5
PARTS LIST PER ASSY.
REPLACES .07 CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE SKETCH
STAMP PART NUMBER WHERE SHOWN
AC
NAVY NONE
HEAT TREAT
NONE
FINISH
DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
OPP. HAND
NAME PAD-FURNS-ATB/ARB SHELF GUARD
DWG. SIZE B
28F6995
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R


CUT HOLE AS SHOWN
1
9/16 R
1 5/16 R
TRIM CORNERS TO SUIT ON INSTALLATION
1 1/2
27 1/4
PURCHASE TO DWG.
MCR #151-2
PBY-5A 28F6991 2
PBY-5 28F6991 2
ASSY. DASH No
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.03
CALC. WT.
REPLACED BY
ACT. WT.
± 1/32
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
1/8 X 2 3/4 X 28 3/4
GRADE A RECLAIMED RUBBER TYPE I
ZM-048
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
-0 -2 -3 -4 -5
PARTS LIST PER ASSY.
AC
NAVY NONE
NONE
HEAT TREAT
FINISH
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
OPP. HAND
NAME GASKET-FURNS-RADAR CABLE GUARD-CHANNEL
DWG.
B
SIZE
28F6999
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
LET
ALTERATION
DATE
BY
R

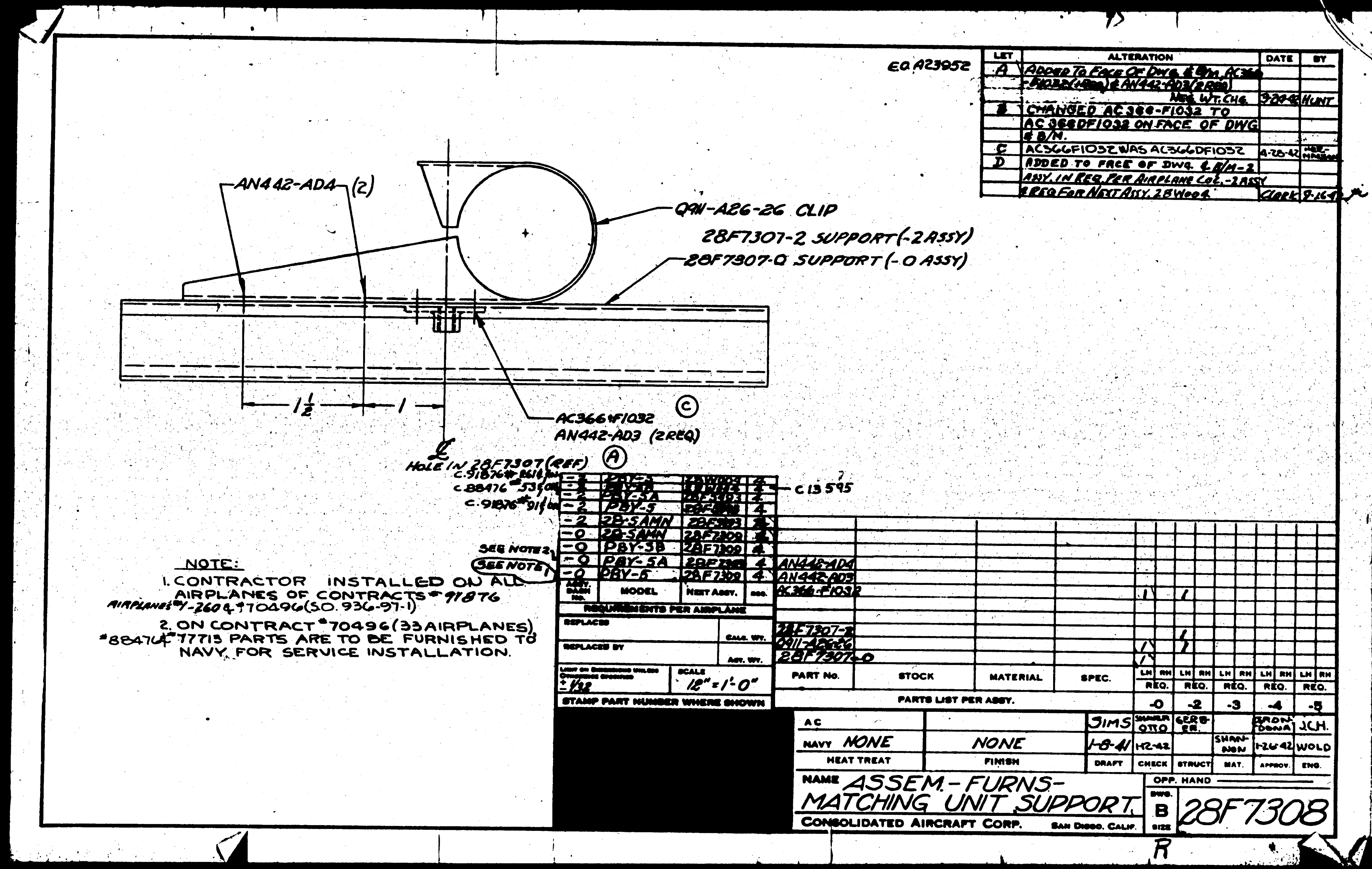

LET | ALTERATION | DATE | BY
A | REVISED REQ/AIRPLANE BLK FOR -L & -R PTS. (NO WT. CHG) | 7-1-42 | COLLINS
B | CHGD DIM. 1/2 TO 3/8. CHGD FINISH FROM Z-P-AP TO Z-P-GP. NO WT.CH. | 5-6-43 | WALLACE
C | CHANGED DIM 3/8 TO 1/2 NO WT. CHG. | 7-6-43 | PUTMAN
7 1/2
6 1/2
1/2
31/32
7/16
2 7/8
1/8 R
5/16
#10(.193) 7 HOLES
1 D. (2 HOLES)
3/8 DIA. HOLE
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
GP GREEN PRIME
C.91876 #90 & ON
C.N025464
C.88476 (6 SHIPS)
C.88477 #1 TO 150
-R PBY-5 28F7069 1
-L PBY-5 28F7069 1
-R PBY-5A 28F7069 1
-L PBY-5A 28F7069 1
-R PBY-5A 28F6421 1
-L PBY-5A 28F6421 1
-R PBY-5B 28F7069 1
-L PBY-5B 28F7069 1
ASSY. DASH No | MODEL | NEXT ASSY. | REQ
REQUIREMENTS PER AIRPLANE
REPLACES
.08# CALC. WT
REPLACED BY
ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.040x8x4 | ALC | 24ST | 47A8-7
PART No | STOCK | MATERIAL | SPEC.
PARTS LIST PER ASSY.
LH RH REQ. -0 | -2 | -3 | -4 | -5
AC
NAVY NONE
HEAT TREAT
Z-P-GP
FINISH
11-4-41 MOORAD DRAFT
SELBY PWS 11-26-41 FAULCONER CHECK
GERBER 12-18-41 STRUCT
CDY 12-29-41 MAT
KLEIN 12-29-41 APPROV.
JCH W.C. WOLD 12-26-41 ENG
NAME CHANNEL - FURNS. CO-PILOTS INDICATOR
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF
OPP HAND -R
DWG. SIZE B 28F7075
R



LET
ALTERATION
DATE
BY
A
CHANGED MATERIAL SIZE FROM 1/4 X 1 3/4 X 3/4 TO 1/2 X 1 1/4 X 1 3/4
REAM .187 +.0015 -.000
7/32
9/64
1
1/2
℄ SYMM.
7/8
1/4 R.
5/8
1 1/4
#10 (.0935) 2 HOLES
1 1/8
5/16
1 3/4
C-88476
RELEASED AFTER RUSH RELEASE
FINISH
Z-ANODIZE
P-P-27 PRIMER
AP-ALUMINIZED PRIMER
PBY-5A
28F5718
2
PBY-5B
28F5718-3R
1
PBY-5B
28F5718-3L
1
ASSY DASH NO.
MODEL
NEXT ASSY.
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
.09#
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
12=1-0
STAMP PART NUMBER WHERE SHOWN
1/2 X 1 1/4 X 1 3/4 BAR
AL. AL. 24ST
46A9-T
PART No
STOCK
MATERIAL
SPEC.
LH RH
REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
EAC
NAVY NONE
ZP-AP
HEAT TREAT
FINISH
12-19-41
12-23-41
DRAFT
CHECK
STRUCT.
MAT
APPROV.
ENG.
OPP. HAND NONE
NAME FITTING- FURN.- COMPASS
SUPPORT BRACE - BULKHEAD 6.0
DWG.
B
28F7285
SIZE
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
DD R



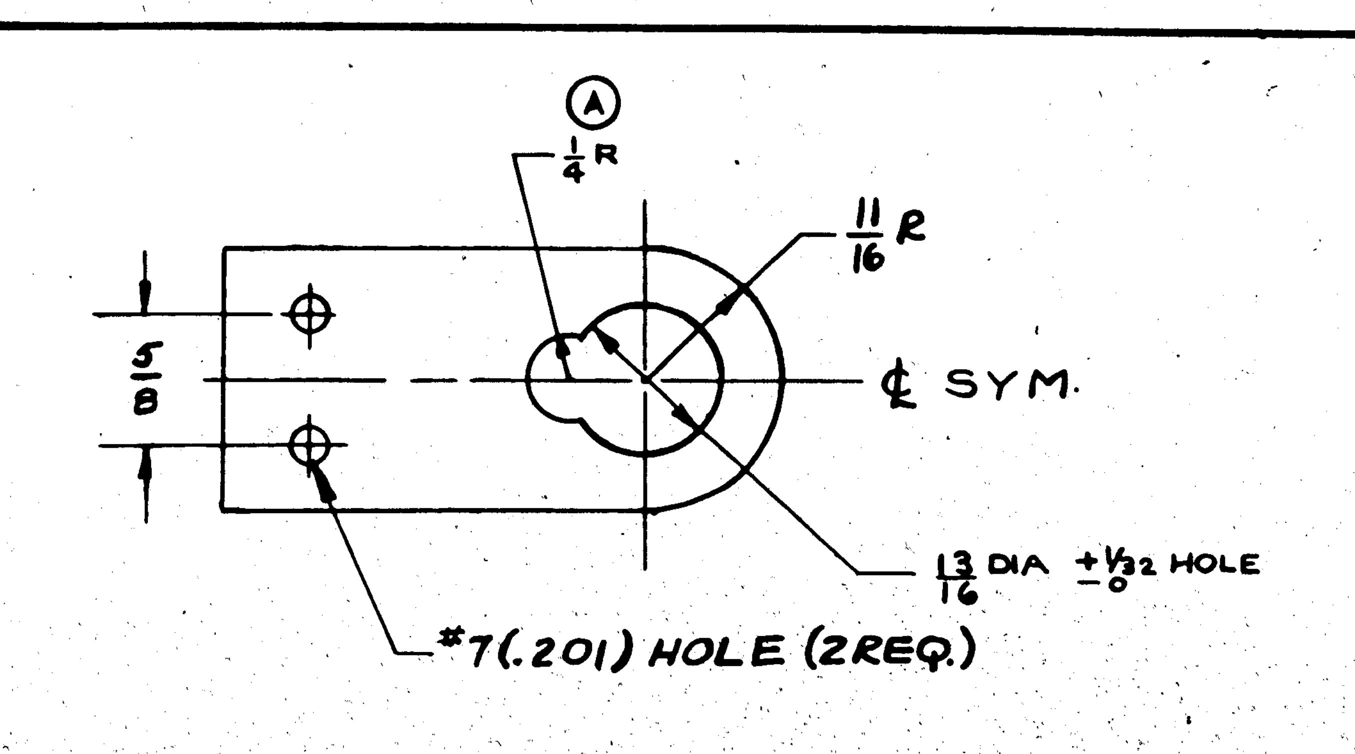
BREWSTER #60548
LET | ALTERATION | DATE | BY
A | CHGD STOCK: K9047 WAS Y36 A19T. | 4-28-42
B | ADDED TO FACE OF DWG. & IN B/M -2 ASSY. 4 REQ.
C | IN B/M -0 WAS "K9047X 8 1/4 AL. AL. EXT. SPEC. 46A9-T" -2 WAS "K9047X 9 7/8 AL. AL. EXT. SPEC. 46A9-T. BROUGHT RELEASES UP TO DATE. WT. CHG NEG.
5/8
5/16
.193
.693
.193 DIA. HOLE
11/32
A
B
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
C#13595
C#88476
SEE NOTE
-2 PBY-5A 28F7308 4
-2 28-5AMN 28F7308 4
-2 PBY-5A 28F7308 4
-2 PBY-5 28F7308 4
-0 PBY-5 28F7308 4
-0 PBY-5A 28F7308 4
-0 PBY-5B 28F7308 4
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
-2 Y-37-A 9 7/8
-0 Y-37-A 8 1/4
PART No. | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 -2 -3 -4 -5
PARTS LIST PER ASSY.
NOTE:
1. CONTRACTOR INSTALLED ON ALL AIRPLANES OF CONTRACT #91876
#70496 (S.O. 936-91-1).
2. ON CONTRACT #70496 (33 AIRPLANES), #88476, #77713 PARTS ARE TO BE FURNISHED FOR SERVICE INST'LN TO NAVY.
ASSEM | A | B
-0 | 4 | 8
-2 | 4 3/4 | 9 1/2
AC
NAVY NONE
HEAT TREAT
Z-P-AP
FINISH
SIMS 1-8-41 DRAFT
SHAVER OTTO 1-2-42 CHECK
GERBER STRUCT
SHAN. NON MAT.
1-26-42 APPROV.
J.C.H. WOLD ENG.
NAME SUPPORT - FURNS - MATCHING UNITS
OPP. HAND
DWG. SIZE B
28F7307
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R-



EO A23952
LET | ALTERATION | DATE | BY
A ADDED TO FACE OF DWG & B/M AC366-F1032 (1 REQ) & AN442-AD3 (2 REQ)
NEG. WT. CHG.
B CHANGED AC366-F1032 TO AC366DF1032 ON FACE OF DWG & B/M.
C AC366F1032 WAS AC366DF1032
D ADDED TO FACE OF DWG. & B/M -2 ASSY. IN REQ. PER AIRPLANE COL. -2 ASSY 2 REQ FOR NEXT ASSY. 28W004
AN442-ADA (2)
Q911-A26-26 CLIP
28F7307-2 SUPPORT (-2 ASSY)
28F7307-0 SUPPORT (-0 ASSY)
1 1/2
1
AC366 F1032
AN442-AD3 (2 REQ)
HOLE IN 28F7307 (REF)
C 13595
SEE NOTE 2
SEE NOTE 1
NOTE:
1. CONTRACTOR INSTALLED ON ALL AIRPLANES OF CONTRACTS #91876
2. ON CONTRACT #70496 (33 AIRPLANES) #88476 #77713 PARTS ARE TO BE FURNISHED TO NAVY FOR SERVICE INSTALLATION.
ASSY. DASH No. | MODEL | NEXT ASSY. | REQ.
-2 | PBY-5A
-2 | PBY-5
-2 | 28-5AMN | 28F7303
-0 | 28-5AMN | 28F7309
-0 | PBY-5B | 28F7309 | 4
-0 | PBY-5A | 4
-0 | PBY-5 | 28F7309 | 4
REQUIREMENTS PER AIRPLANE
AN442-AD4
AN442-AD3
AC366-F1032
28F7307-2
Q911-A26-26
28F7307-0
PART No. | STOCK | MATERIAL | SPEC.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
CALC. WT.
ACT. WT.
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
NAVY NONE
HEAT TREAT
NONE
FINISH
SIMS 1-8-41 DRAFT
CHECK
STRUCT
MAT.
APPROV.
ENG.
WOLD
NAME ASSEM.-FURNS-MATCHING UNIT SUPPORT
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP. HAND
DWG. B SIZE
28F7308
R

E.O. A53893
E.O. A99204

LET	ALTERATION	DATE	BY
A	ADDED 1/4 R. WT CHG NEG	8-22-42	MARSH
B	ADDED NOTE "PART ----FBG." NO WT. CHG.	2-4-43	BENNER



3/8
7/16
1 21/32

(B) PART MAY BE MACHINED FROM PHENOLIC LAMINATED SHEET SPEC. 17P5-FBG.

PURCHASE TO DWG.

C88476
C91876

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
	PBY-5	28F7398	1
	PBY-5A	28F7398	1
	PBY-5B	28F7398	1

REQUIREMENTS PER AIRPLANE

REPLACES	.08 CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	SCALE 12"=1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	LH -0 REQ.	RH -0 REQ.	LH -2 REQ.	RH -2 REQ.	LH -3 REQ.	RH -3 REQ.	LH -4 REQ.	RH -4 REQ.	LH -5 REQ.	RH -5 REQ.
	3/8 x 1 3/8 x 2 7/8	PHENOLIC	17P4-CEG	1									

PARTS LIST PER ASSY.

AC		LINN 6-23-42			G.E. RATH	ARMSTRONG 7-4	7/2
NAVY NONE	NONE						
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

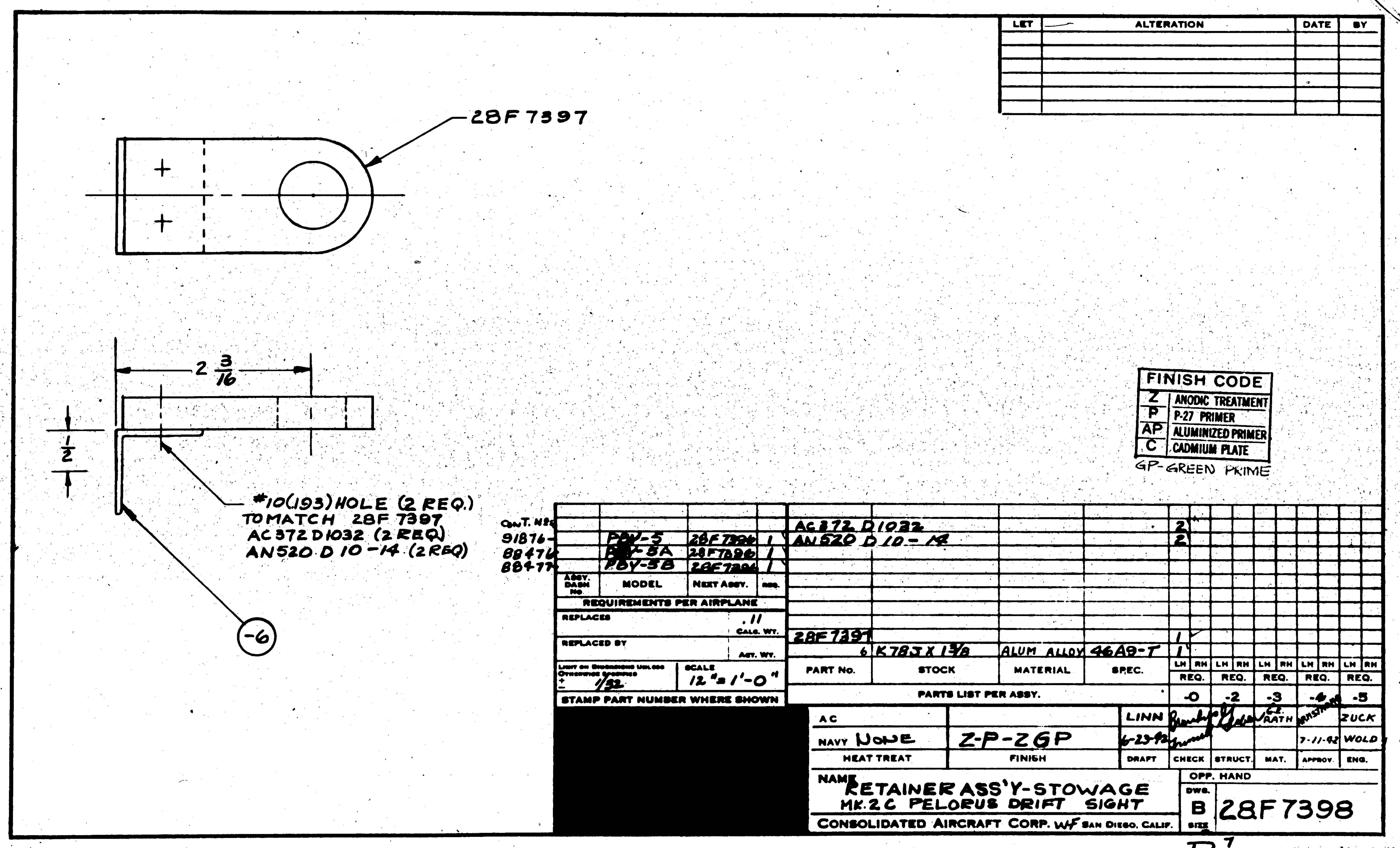
NAME RETAINER STOWAGE MK 2C PELORUS DRIFT SIGHT

OPP. HAND

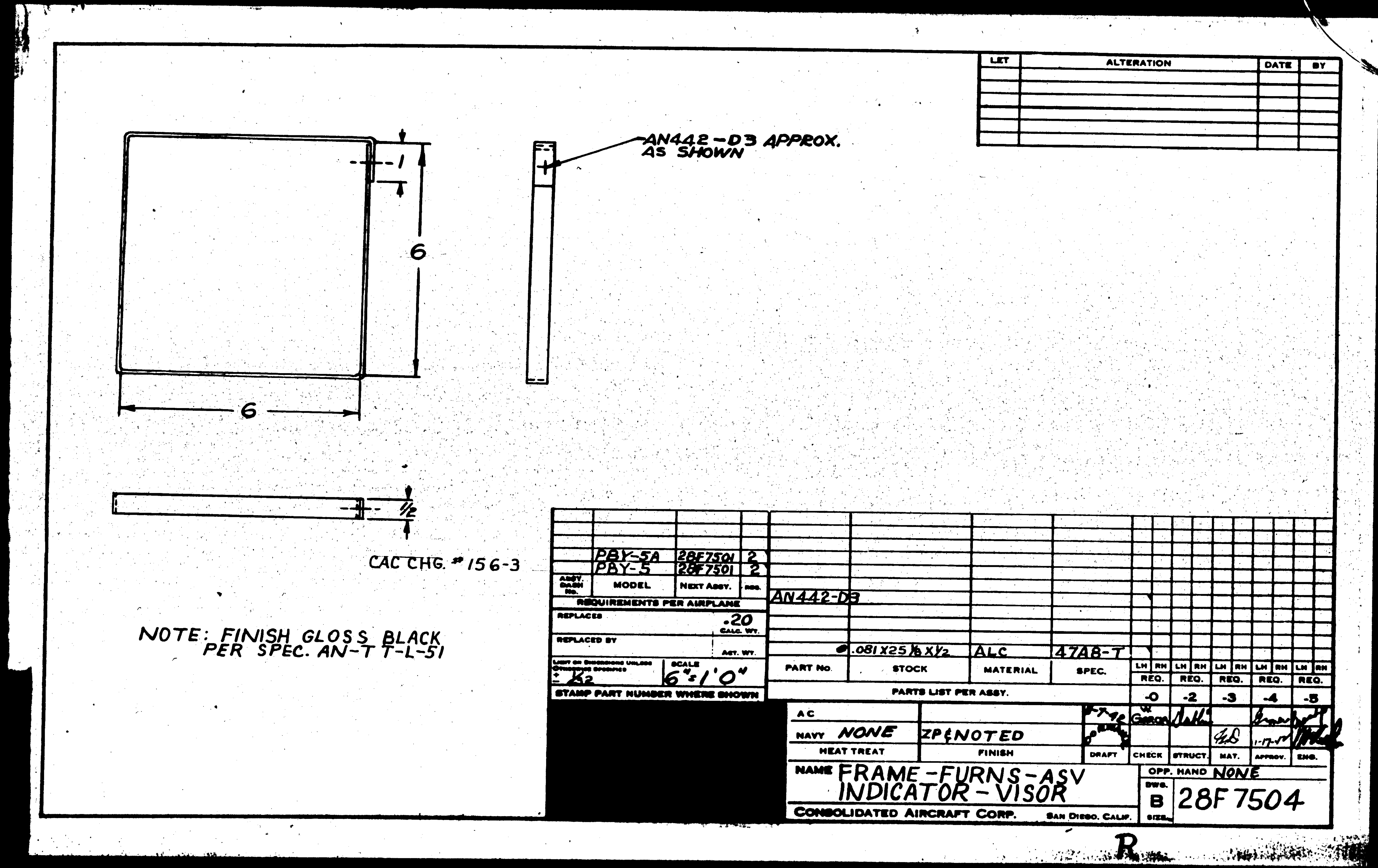
DWG. SIZE B 28F7397

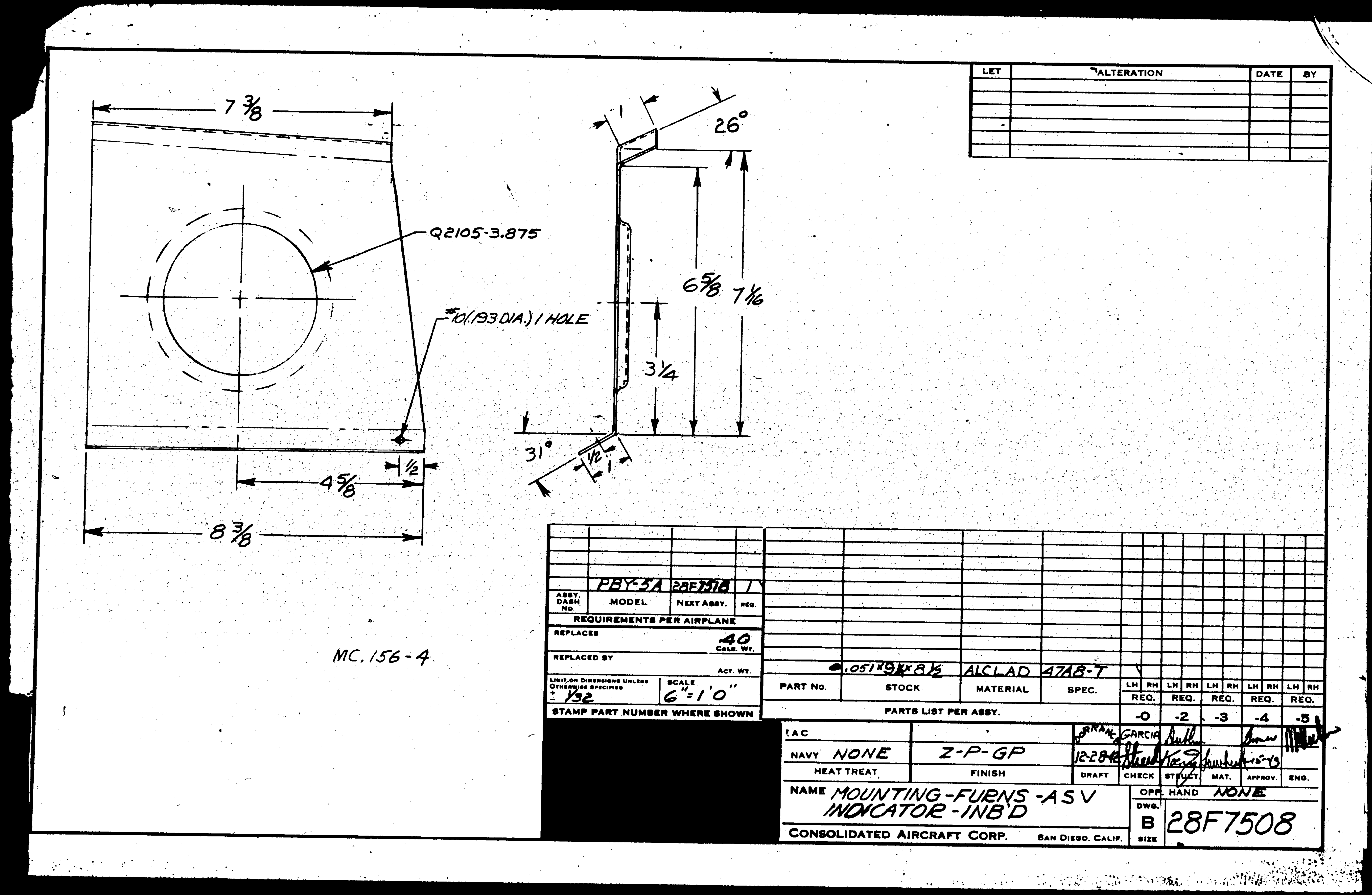
CONSOLIDATED AIRCRAFT CORP. WF SAN DIEGO, CALIF.

R 7/16/42

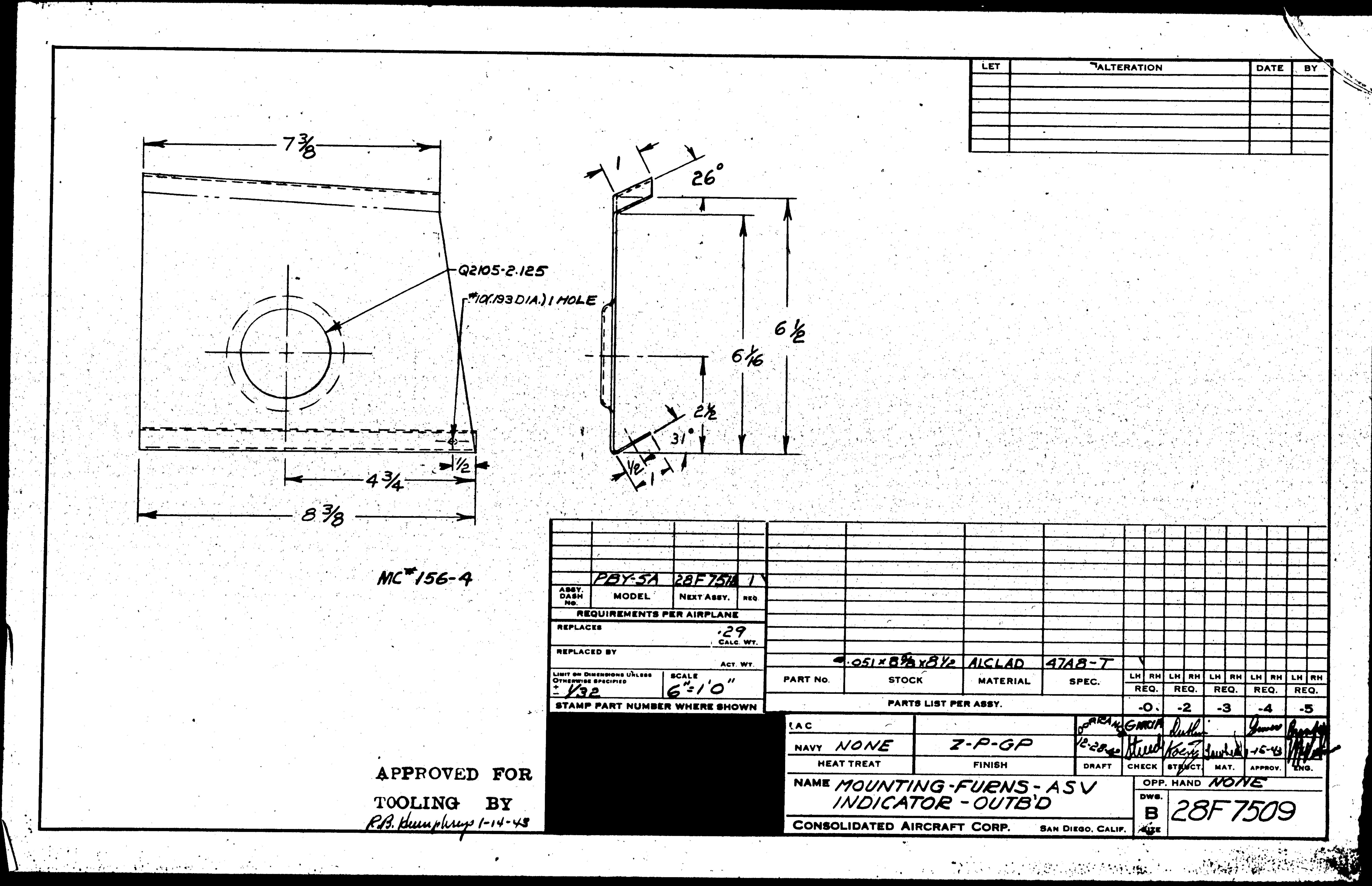


LET
ALTERATION
DATE
BY
28F7397
2 3/16
1/2
#10(.193) HOLE (2 REQ.) TO MATCH 28F7397
AC372D1032 (2 REQ)
AN520 D 10-14 (2 REQ)
-6
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
GP-GREEN PRIME
CONT. NO.
91876-
88476
88477
PBY-5
PBY-5A
PBY-5B
28F7396
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.11
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
12" = 1'-0"
1/32
STAMP PART NUMBER WHERE SHOWN
AC372D1032
AN520 D 10-14
28F7397
6 K78J X 13/8
ALUM ALLOY
46A9-T
PART No.
STOCK
MATERIAL
SPEC.
LH RH
REQ.
PARTS LIST PER ASSY.
-0
-2
-3
-4
-5
AC
NAVY NONE
HEAT TREAT
Z-P-ZGP
FINISH
LINN
6-23-42
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
RATH
7-11-42
ZUCK
WOLD
OPP. HAND
NAME RETAINER ASS'Y-STOWAGE MK.2C PELORUS DRIFT SIGHT
DWG. SIZE B
28F7398
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

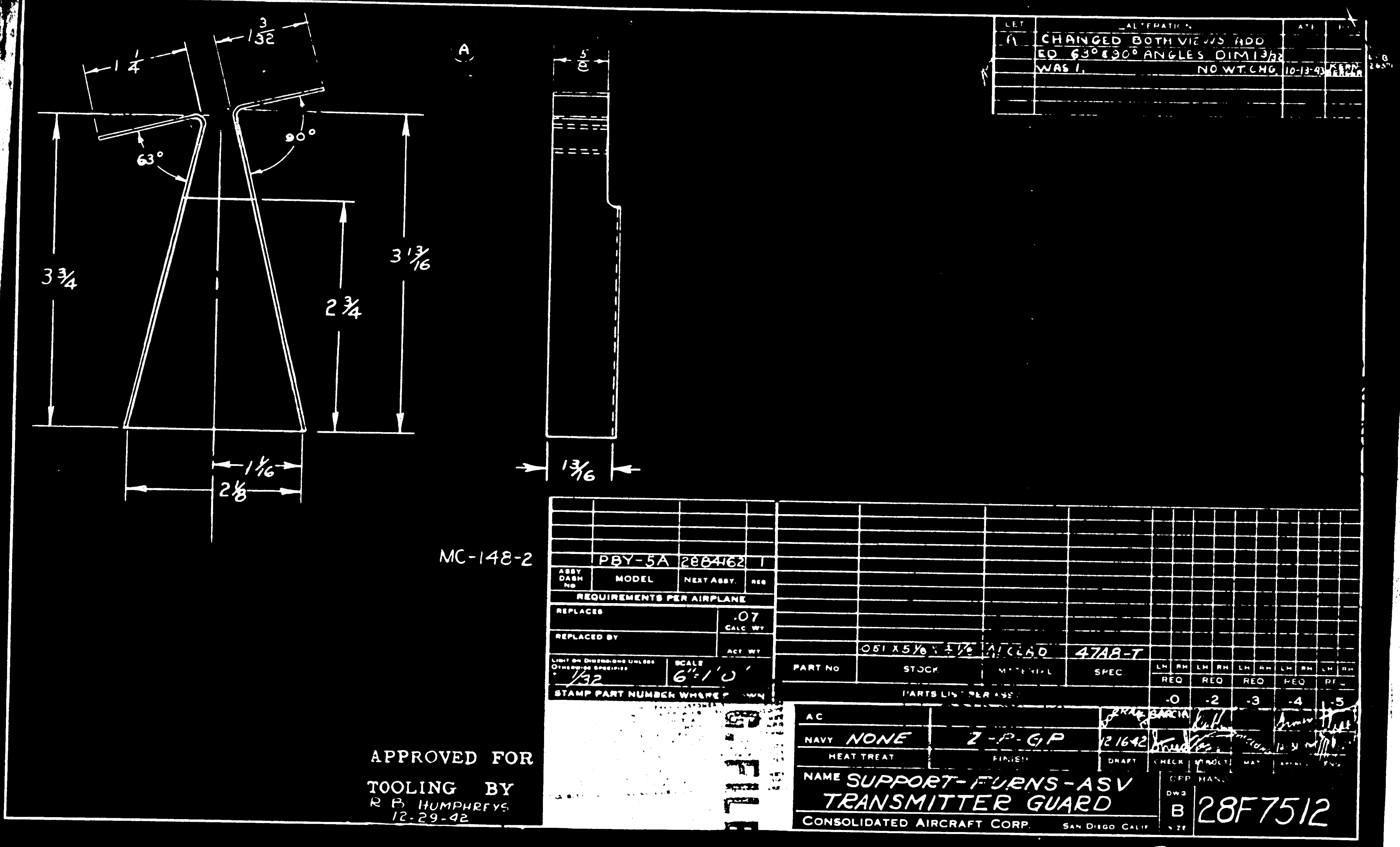

LET
ALTERATION
DATE
BY
AN442-D3 APPROX.
AS SHOWN
1
6
6
1/2
CAC CHG. # 156-3
NOTE: FINISH GLOSS BLACK
PER SPEC. AN-T T-L-51
PBY-5A 28F7501 2
PBY-5 28F7501 2
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.20
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
± 1/32
6"=1'0"
STAMP PART NUMBER WHERE SHOWN
AN442-D3
.081 X 25 1/8 X 1/2
ALC
47AB-T
PART No.
STOCK
MATERIAL
SPEC.
LH RH
REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
AC
NAVY NONE
HEAT TREAT
ZP & NOTED
FINISH
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
OPP. HAND NONE
NAME FRAME-FURNS-ASV
INDICATOR-VISOR
DWG.
B
SIZE
28F7504
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
R



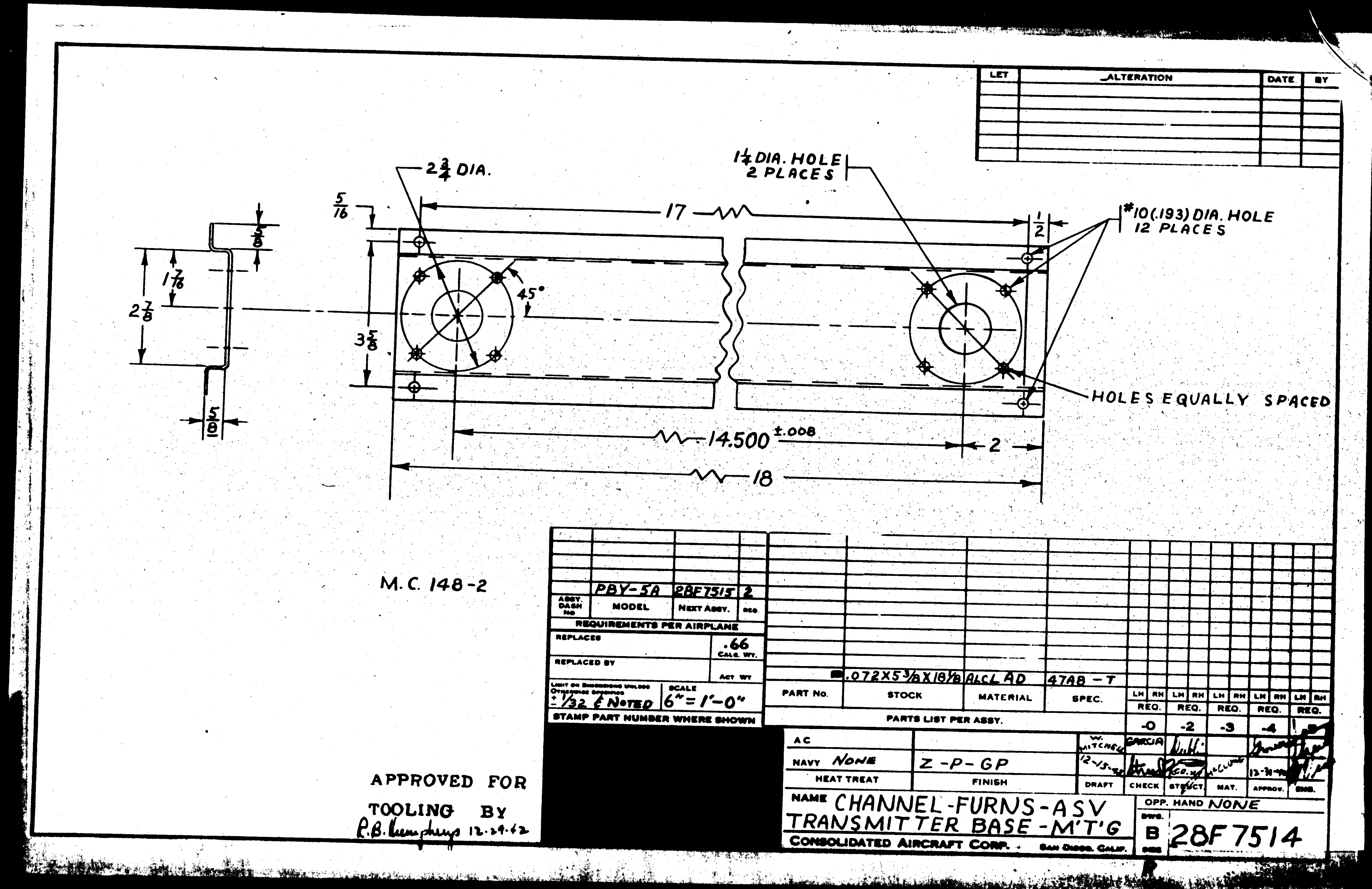
7 3/8
Q2105-3.875
#10(.193 DIA.) 1 HOLE
4 5/8
1/2
8 3/8
1
26°
6 5/8
7 1/16
3 1/4
31°
1/2
1
LET
ALTERATION
DATE
BY
PBY-5A
28F7518
1
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.40
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/32
SCALE
6" = 1'0"
STAMP PART NUMBER WHERE SHOWN
.051 x 9 x 8 1/2
ALCLAD
47A8-T
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
AC
NAVY NONE
HEAT TREAT
Z-P-GP
FINISH
GARCIA
12-28-42
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NAME MOUNTING-FURNS-ASV INDICATOR-INB'D
OPP. HAND NONE
DWG.
B
SIZE
28F7508
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
MC. 156-4

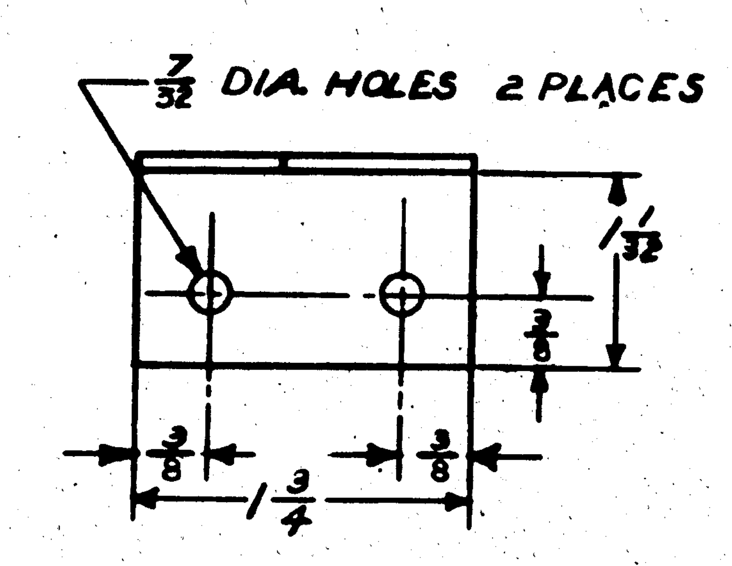


LET
ALTERATION
DATE
BY
7 3/8
1
26°
Q2105-2.125
#10(.193 DIA.) 1 HOLE
6 1/2
6 1/16
2 1/2
31°
1/2
1
1/2
4 3/4
8 3/8
MC# 156-4
PBY-5A
28F7516
1
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.29
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/32
SCALE
6"=1'0"
STAMP PART NUMBER WHERE SHOWN
.051 x 8 3/8 x 8 1/2
ALCLAD
47A8-T
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ.
PARTS LIST PER ASSY.
-0.
-2
-3
-4
-5
AAC
NAVY NONE
HEAT TREAT
Z-P-GP
FINISH
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NAME MOUNTING-FURNS-ASV INDICATOR-OUTB'D
OPP. HAND NONE
DWG. SIZE B
28F7509
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
APPROVED FOR TOOLING BY
R.B. Humphreys 1-14-43

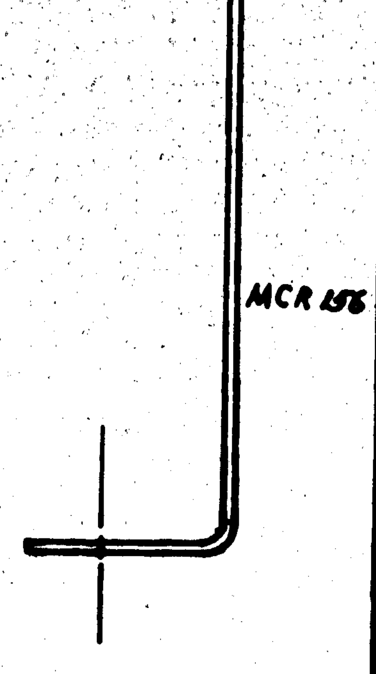


A
1 1/4
1 3/32
5/8
63°
90°
3 3/4
3 13/16
2 3/4
1 1/16
2 1/8
13/16
CHANGED BOTH VIEWS ADD
ED 63° & 90° ANGLES DIM 1 3/32
WAS 1. NO WT. CHG. 10-13-43
MC-148-2
PBY-5A 28B4162 1
ASSY DASH No
MODEL
NEXT ASSY.
REQUIREMENTS PER AIRPLANE
REPLACES
.07
CALC WT
REPLACED BY
ACT WT
SCALE
1/32
6" = 1'0"
STAMP PART NUMBER WHERE SHOWN
.051 X 5/8 X 4 1/6
47A8-T
PART No
STOCK
SPEC.
REQ
-0
-2
-3
-4
-5
AC
NAVY NONE
Z-P-GP
HEAT TREAT
FINISH
GARCIA
12 16 42
DRAFT
CHECK
NAME SUPPORT-FURNS-ASV
TRANSMITTER GUARD
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO CALIF
B
28F7512
APPROVED FOR
TOOLING BY
R B HUMPHREYS
12-29-42
R


LET | ALTERATION | DATE | BY
2 3/4 DIA.
1 1/4 DIA. HOLE
2 PLACES
5/16
17
1/2
#10 (.193) DIA. HOLE
12 PLACES
5/8
1 7/16
2 7/8
45°
3 5/8
HOLES EQUALLY SPACED
5/8
14.500 ±.008
2
18
M.C. 148-2
PBY-5A | 28F7515 | 2
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.66 CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 & NOTED
SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.072 X 5 3/8 X 18 1/8 | ALCLAD | 47AB-T
PART No. | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 | -2 | -3 | -4 | -5
PARTS LIST PER ASSY.
AC
NAVY NONE
Z-P-GP
HEAT TREAT | FINISH
W. MITCHELL 12-15-42 | GARCIA
DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
NAME CHANNEL-FURNS-ASV TRANSMITTER BASE-M'T'G
OPP. HAND NONE
DWG. SIZE B 28F7514
CONSOLIDATED AIRCRAFT CORP. - SAN DIEGO, CALIF.
APPROVED FOR TOOLING BY
R.B. Humphreys 12-29-42







LET	ALTERATION	DATE	BY

MCR 156

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
-0	B8Y-5A	32F785	1

REQUIREMENTS PER AIRPLANE

REPLACES	.04 CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	SCALE 12"=1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	REQ. -0 LH	REQ. -0 RH	REQ. -2 LH	REQ. -2 RH	REQ. -3 LH	REQ. -3 RH	REQ. -4 LH	REQ. -4 RH	REQ. -5 LH	REQ. -5 RH
	.064 X 1 1/2 X 4 3/4	ALCLAD	47A8-T	1									

PARTS LIST PER ASSY.

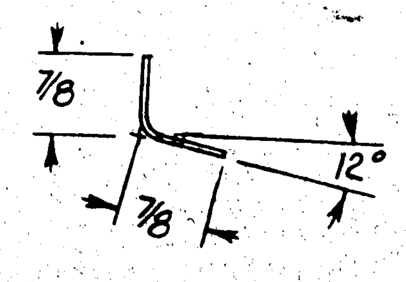
AC		12-21-42					
NAVY NONE	Z-P-GP	DUNDE					
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

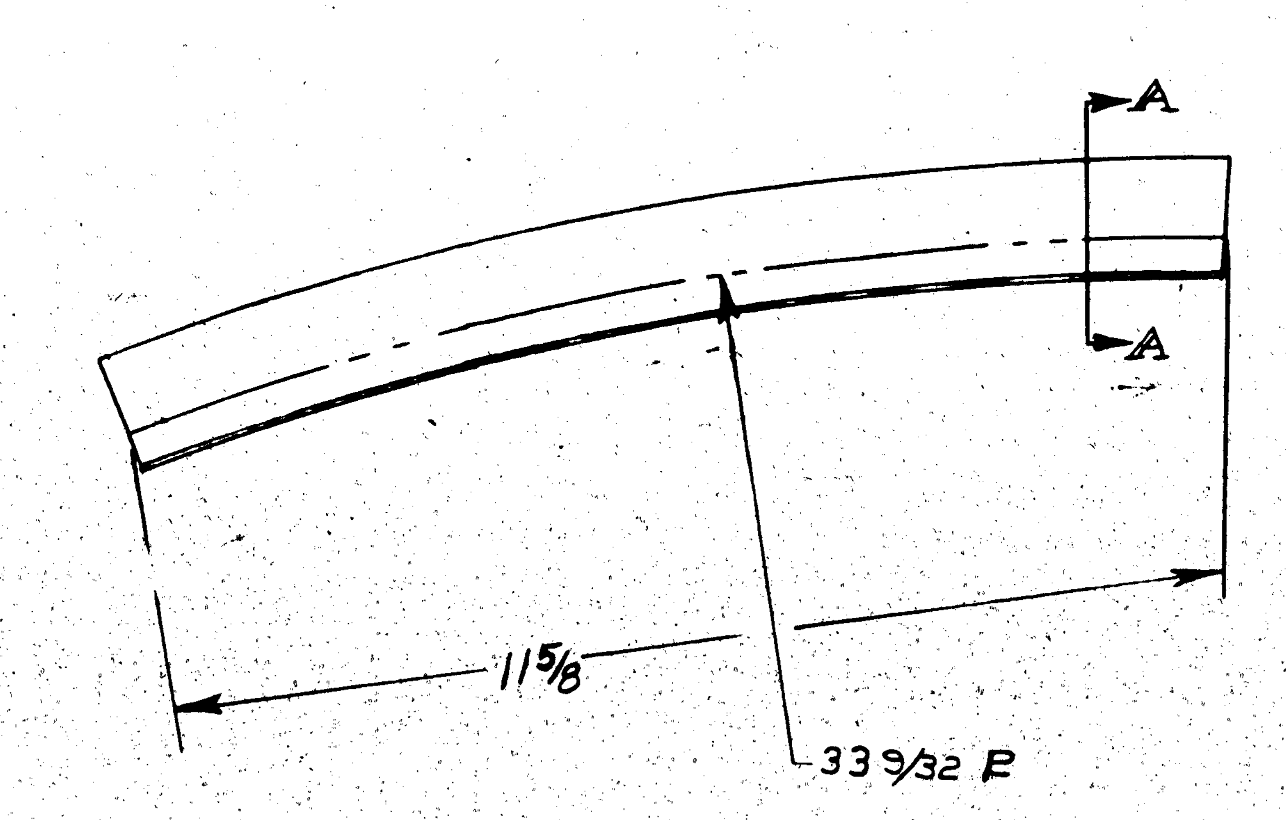
NAME BRACKET – FURNISHINGS ACCUMULATOR SUPPORT

OPP. HAND

DWG. B 28F7516

APPROVED FOR TOOLING BY R.S. HUMPHREYS





LET	ALTERATION	DATE	BY

MC# 156-4

ASSY. DASH No	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28F7520	1

REQUIREMENTS PER AIRPLANE

REPLACES — .11 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'0"

STAMP PART NUMBER WHERE SHOWN

[redacted]

PART No.	STOCK	MATERIAL	SPEC.	LH REQ. -0	RH REQ. -0	LH REQ. -2	RH REQ. -2	LH REQ. -3	RH REQ. -3	LH REQ. -4	RH REQ. -4	LH REQ. -5	RH REQ. -5
	.051 x 12 x 1 7/8	ALCLAD	47A8-T	✓									

PARTS LIST PER ASSY.

AC		DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.
NAVY NONE	Z-P-GP	12-30-42				1-15-43	
HEAT TREAT	FINISH						

NAME ANGLE-FURNS-ASV INDICATOR MOUNTING

OPP. HAND

DWG. SIZE B — 28F7519

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

APPROVED FOR TOOLING BY
R.B. Humphreys 1-14-43

28F7521

LET	ALTERATION	DATE	BY
A	IN REQ PER AIRPLANE BLOCK ADDED PBY-5A 1/A 28F7520(1) & RESTRICTED TO C-NO (8) MCR #1 TO MCR 270. ON FACE OF DWG LOCATING DIM'S. 4 9/16 WAS 4 5/8 & 1 5/16 WAS 1 7/16. NO WT. CHG.	7/28/43	[illegible]

(.250 DIA.) 4 HOLES

5 5/16

6 3/16

7/16

Ⓐ

4 9/16

1 5/16

7 1/4

MCR 156-4 TO MCR 270-12

MCR 156-4 TO MCR 270-12

	PBY-5A	28F7520	1
	PBY-5A	28F7518	1
ASSY. DASH No.	MODEL	NEXT ASSY.	REQ

REQUIREMENTS PER AIRPLANE

REPLACES	.32 CALC. WT.
REPLACED BY	ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	SCALE 6" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 REQ. LH	-0 REQ. RH	-2 REQ. LH	-2 REQ. RH	-3 REQ. LH	-3 REQ. RH	-4 REQ. LH	-4 REQ. RH	-5 REQ. LH	-5 REQ. RH
	.064 X 7 1/4 X 6 3/16	ALCLAD	47A8-T										

PARTS LIST PER ASSY.

[redacted]

AC							
NAVY NONE	Z-P-GP	12-31-42	[illegible]	[illegible]	[illegible]	1-15-43	[illegible]
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT	APPROV.	ENG.

NAME PLATE-FURNS-ASV INDICATOR MOUNTING

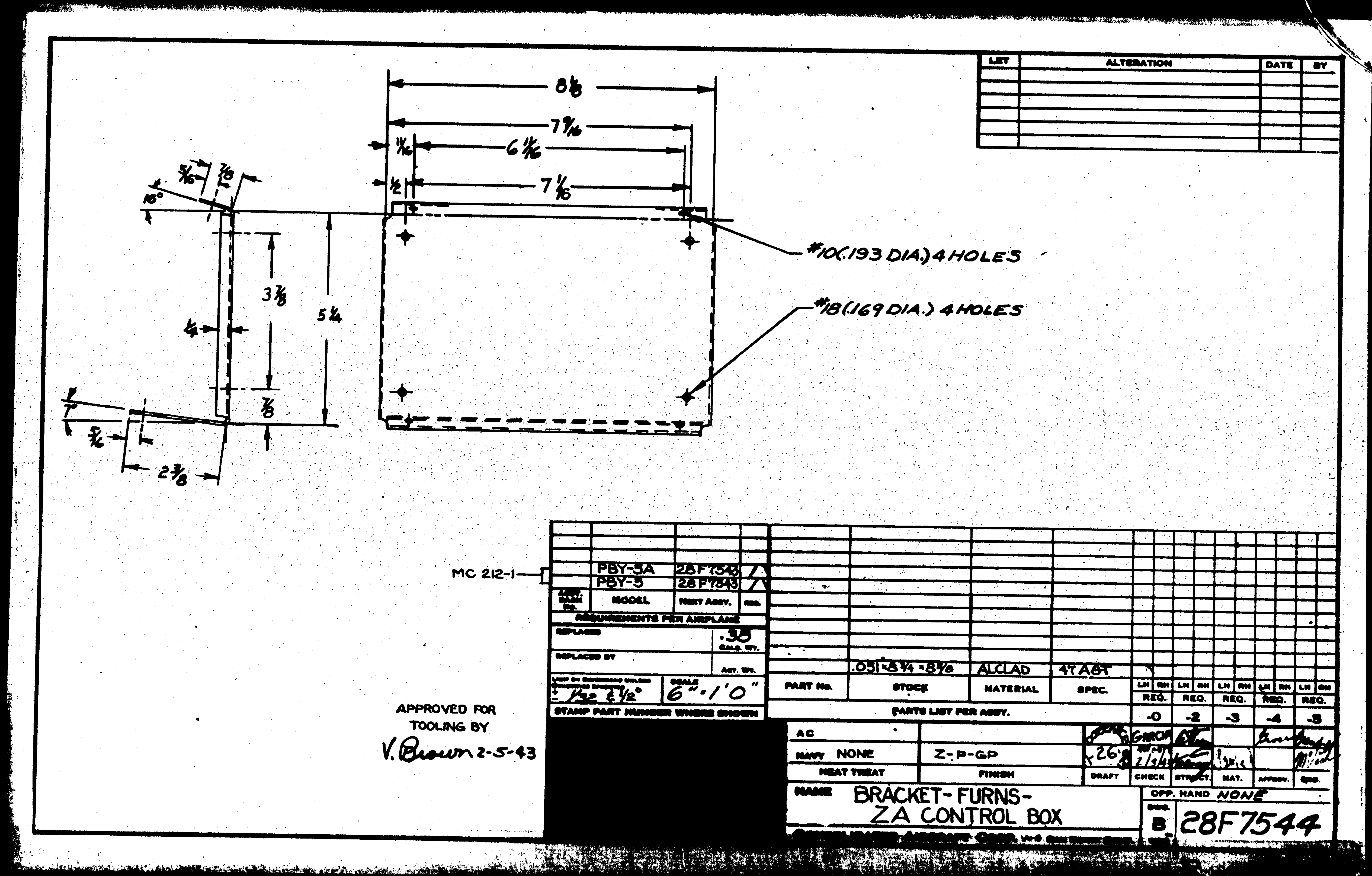
OPP. HAND NONE

DWG. SIZE B 28F7521

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

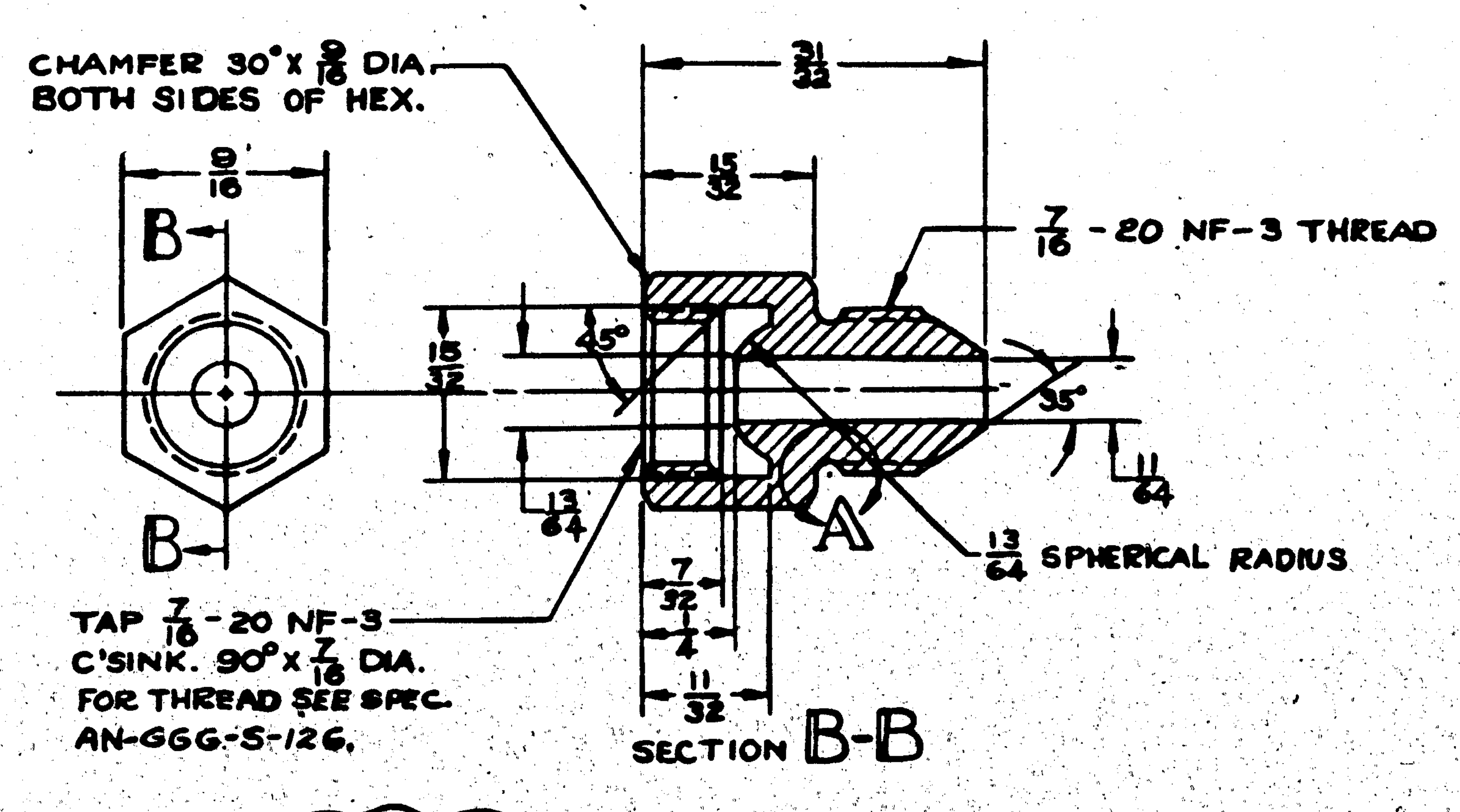
APPROVED FOR TOOLING BY R. B. Humphreys 1-14-43

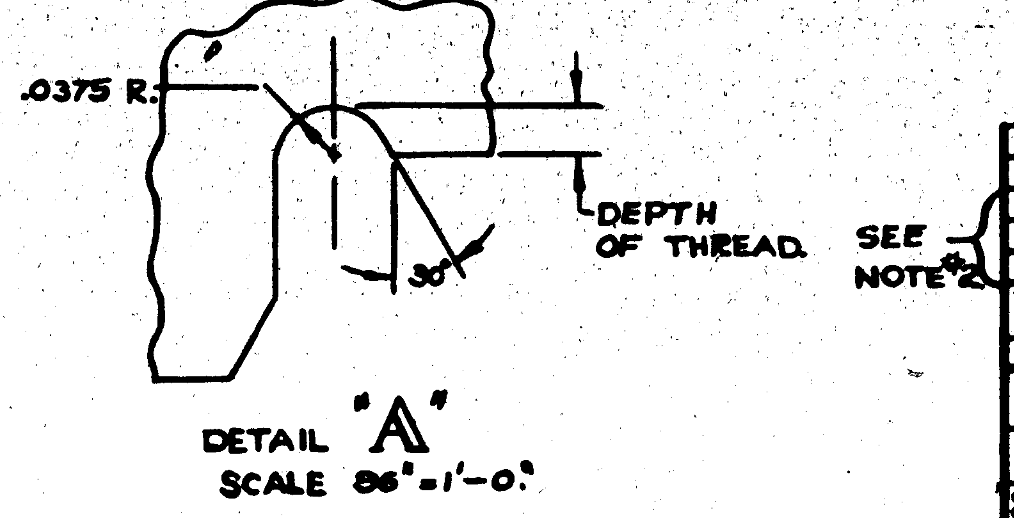
R



LET
ALTERATION
DATE
BY
8⅛
7 9/16
6 11/16
11/16
½
7 1/16
5/16
7/8
16°
#10 (.193 DIA.) 4 HOLES
#18 (.169 DIA.) 4 HOLES
3⅞
5¼
¼
⅞
7°
5/16
2⅜
MC 212-1
PBY-5A 28F7543
PBY-5 28F7543
MODEL
NEXT ASSY.
REQUIREMENTS PER AIRPLANE
REPLACES
.35
CALC. WT.
REPLACED BY
ACT. WT.
± 1/32 & ½°
SCALE
6" = 1'0"
STAMP PART NUMBER WHERE SHOWN
.051 × 8¾ × 8⅛
ALCLAD
24ST
PART No.
STOCK
MATERIAL
SPEC.
PARTS LIST PER ASSY.
-0
-2
-3
-4
-5
APPROVED FOR TOOLING BY
V. Brown 2-5-43
AC
NAVY NONE
Z-P-GP
HEAT TREAT
FINISH
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
GARCIA
NAME
BRACKET-FURNS-
ZA CONTROL BOX
OPP. HAND NONE
B
28F7544

LET	ALTERATION	DATE	BY





APPROVED FOR TOOLING BY V. Brown 2-15-43

NOTES-

1. ALL EXTERNAL THREAD MUST BE RUN .0005 UNDER STD MAX. P. D. FOR CADMIUM PLATING.
2. THIS PART TO BE USED WITH ALTERNATE INSTRUMENT AS NOTED ON NEXT ASSEMBLIES.

SEE NOTE #2

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
	28-5AMC	28F5567	1
	PBY-5A	28F5003	1
	PBY-5A	28F6224	1

REQUIREMENTS PER AIRPLANE

REPLACES — .18 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±.010 — SCALE 24" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.
	9/16 x 1 1/8 HEX. ROD	BRASS	4782 cond. HH

PARTS LIST PER ASSY. — REQ. (LH / RH): -0, -2, -3, -4, -5

AC							
NAVY 57,000 RS.I.	CAD. PLATE	2-3-43		4		2-17-43	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

OPP. HAND

NAME ADAPTOR - FURNS - HYD. PRESSURE GAGE.

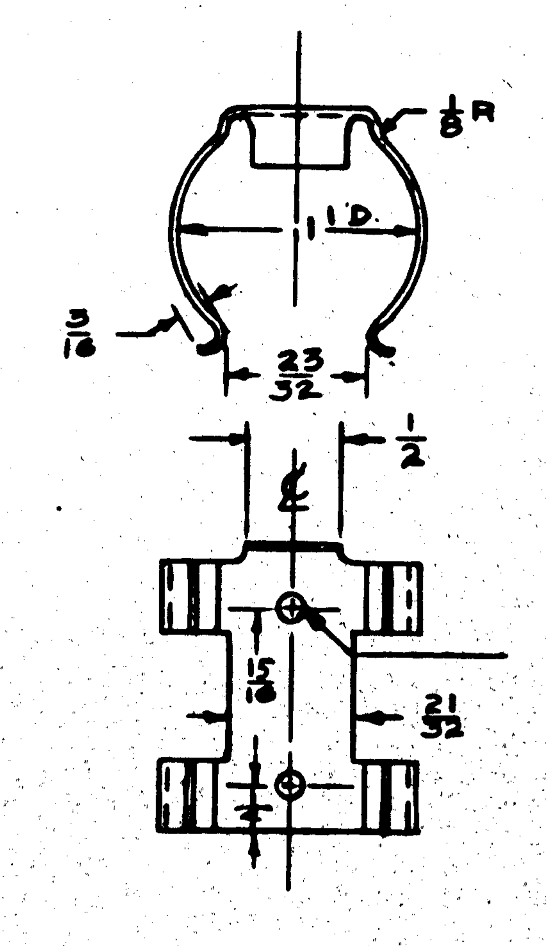
DWG. SIZE B — 28F7547

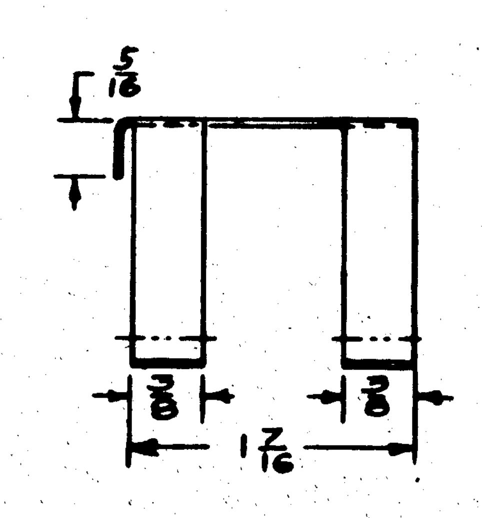
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

LET	ALTERATION	DATE	BY
A	REDESIGNED FROM 28F7548 (2-2-43) RECTANGULAR TYPE CLIP TO ROUND TYPE CLIP. WT. CHG NEG.	[illegible]	DADMUN

28F7548





.169 DIA. 2 HOLES

NOTE: S.A.E.-1085 STEEL. CAD. PLATE FINISH MAY BE USED AS ALTERNATE.

MCR212-1

BEND & RELIEF RADII 1/16

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28F5384	1
	PBY-5	28F5384	1

REQUIREMENTS PER AIRPLANE

REPLACES 28F7548 2-2-43 — CALC. WT. .015

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 LH REQ.	-0 RH REQ.	-2 LH REQ.	-2 RH REQ.	-3 LH REQ.	-3 RH REQ.	-4 LH REQ.	-4 RH REQ.	-5 LH REQ.	-5 RH REQ.
	.025 X 3/4 X 1 5/16	PHOS. BRONZE	46B14										

PARTS LIST PER ASSY.

HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.
AC		DADMUN	GARCIA	PETERSON		GROVER	EMMONS
NAVY SPR. TEMPER	CAD. PLATE BAKE	[illegible]		KENNY	LANHEAD	2-7-43	VICKERS

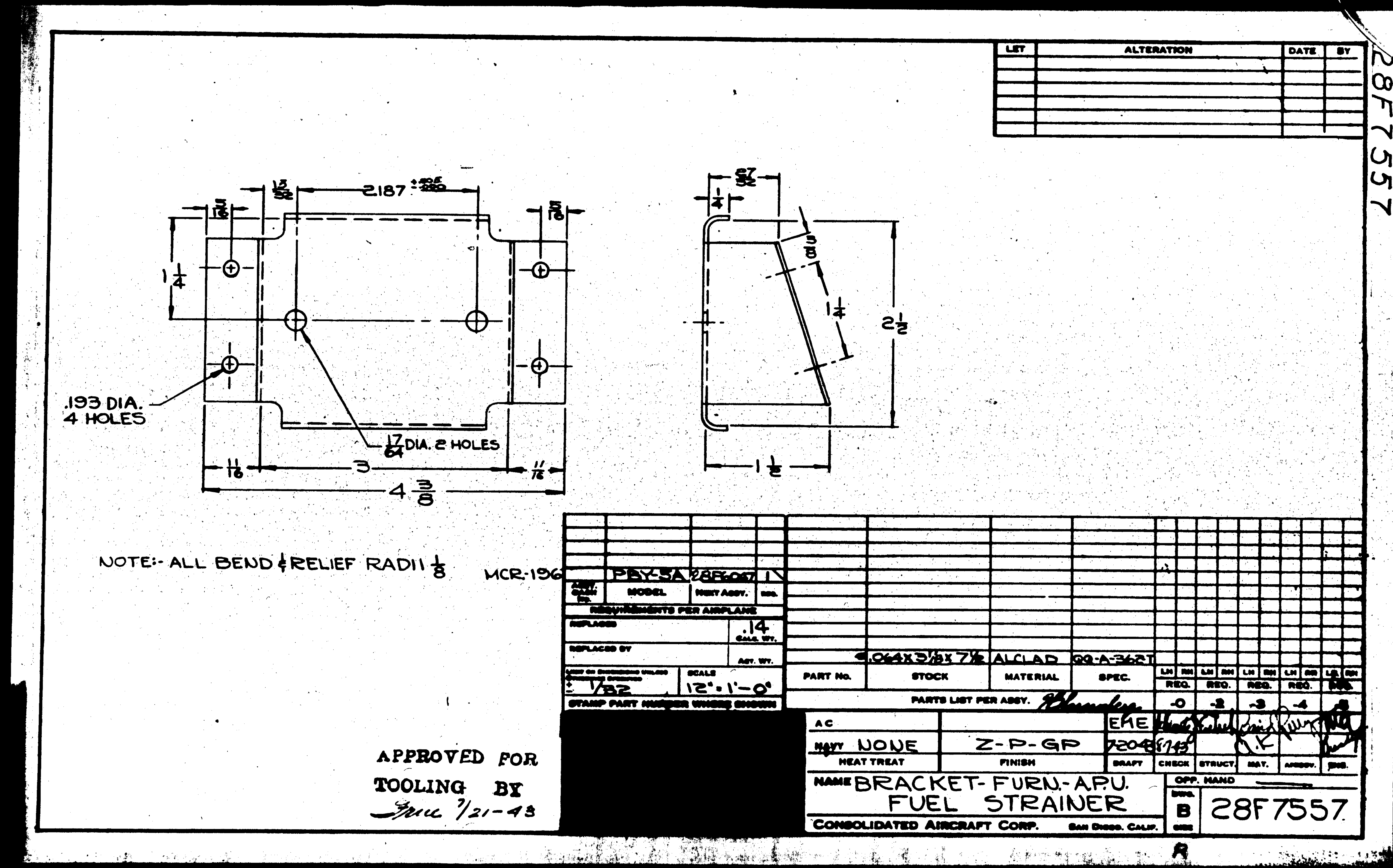
NAME HOLDER-FURNS-RU JUNCTION BOX PLUG

OPP. HAND NONE

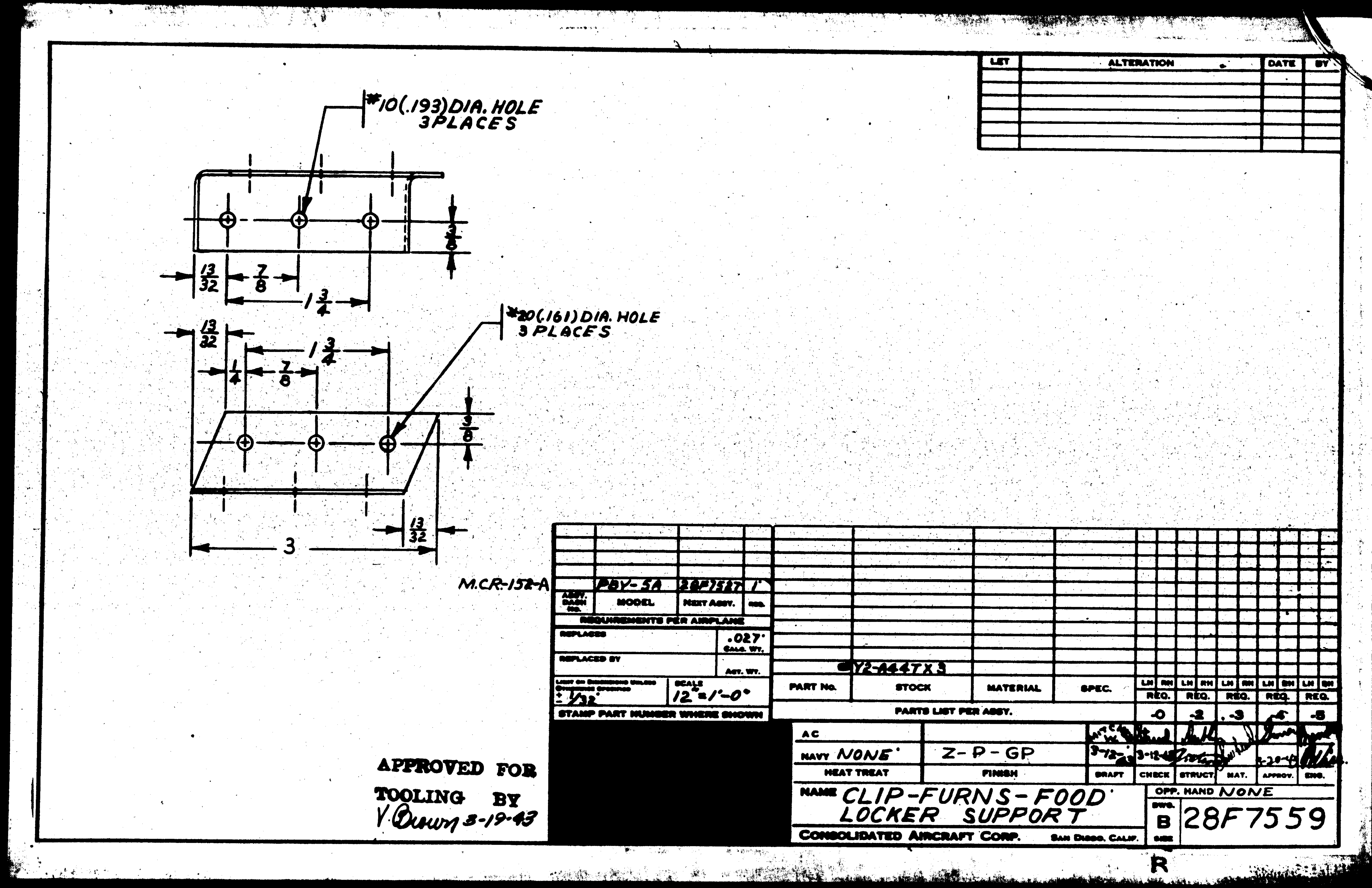
DWG. SIZE B — 28F7548

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

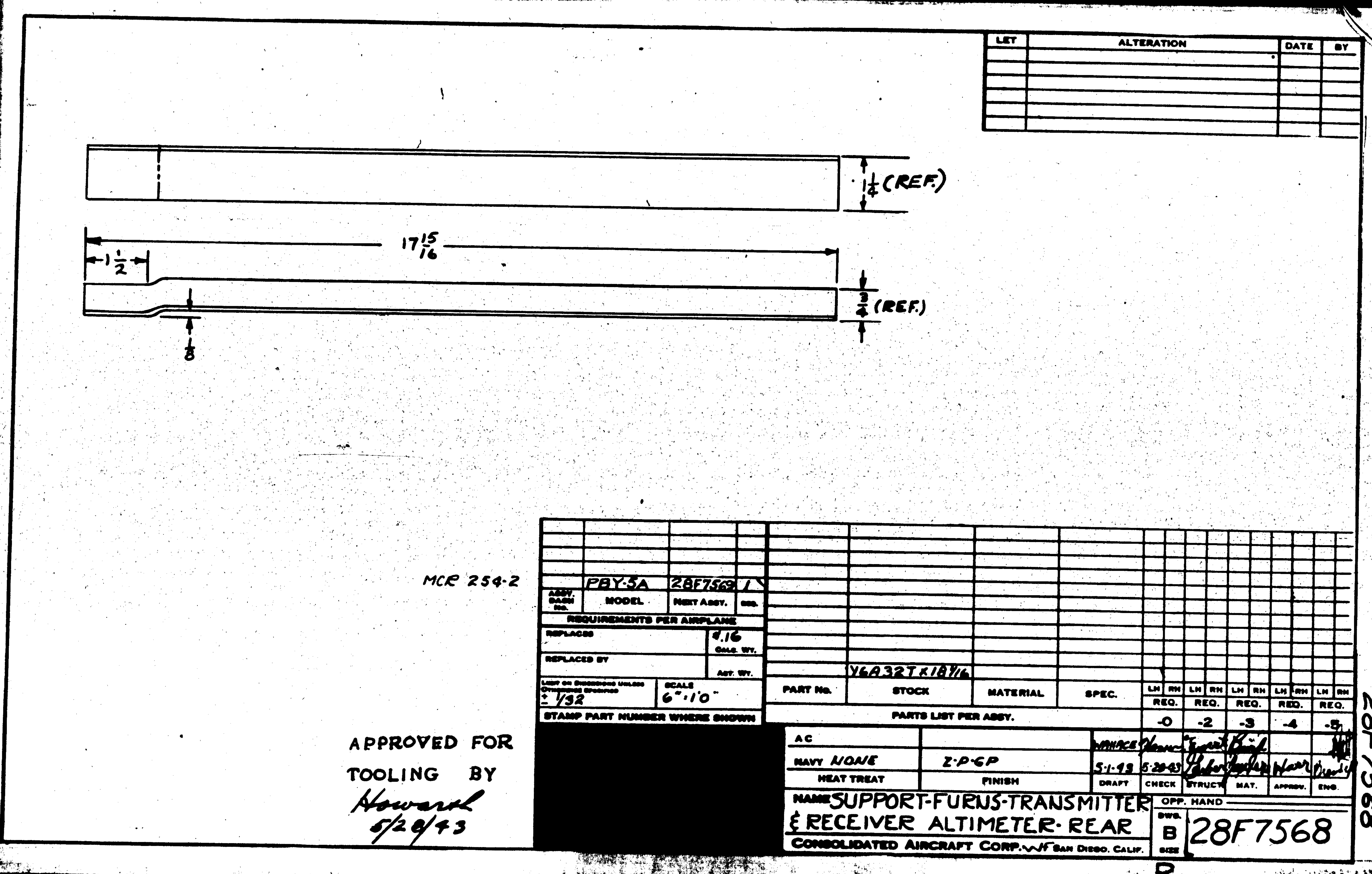
R



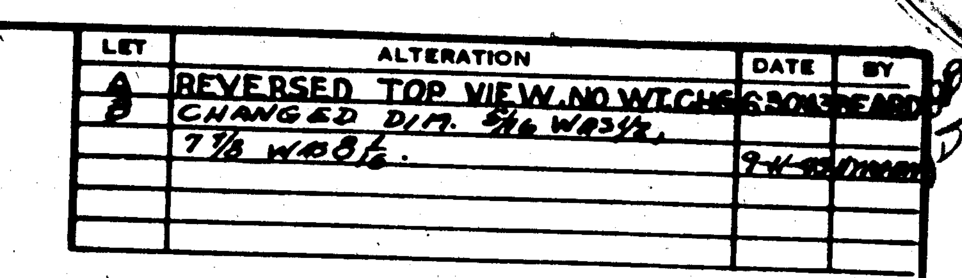
28F7557
LET
ALTERATION
DATE
BY
2.187
.193 DIA.
4 HOLES
17/64 DIA. 2 HOLES
3
4 3/8
1 1/4
2 1/2
1 1/2
NOTE:- ALL BEND & RELIEF RADII 1/8
MCR-196
PBY-5A
MODEL
NEXT ASSY.
REQUIREMENTS PER AIRPLANE
REPLACED
.14
CALC. WT.
REPLACED BY
ACT. WT.
1/32
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.064 X 3 1/8 X 7 1/2
ALCLAD
QQ-A-362T
PART No.
STOCK
MATERIAL
SPEC.
LH
RH
REQ.
PARTS LIST PER ASSY.
-0
-2
-3
-4
AC
NAVY NONE
Z-P-GP
HEAT TREAT
FINISH
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
NAME BRACKET-FURN.-A.P.U.
FUEL STRAINER
OPP. HAND
B
28F7557
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
APPROVED FOR
TOOLING BY
7/21-43



#10(.193) DIA. HOLE 3 PLACES
#20(.161) DIA. HOLE 3 PLACES
13/32
7/8
1 3/4
3/8
1/4
3
M.C.R.-152-A
PBY-5A
28F7527
MODEL
NEXT ASSY.
REQUIREMENTS PER AIRPLANE
REPLACES
.027
CALC. WT.
REPLACED BY
ACT. WT.
SCALE 12" = 1'-0"
± 1/32"
STAMP PART NUMBER WHERE SHOWN
Y2-A44T X 3
PART No.
STOCK
MATERIAL
SPEC.
REQ.
PARTS LIST PER ASSY.
-0
-2
-3
-4
-5
AC
NAVY NONE
HEAT TREAT
Z-P-GP
FINISH
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
3-12-43
3-20-43
NAME CLIP-FURNS-FOOD LOCKER SUPPORT
OPP. HAND NONE
B
28F7559
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
LET
ALTERATION
DATE
BY
APPROVED FOR TOOLING BY
3-19-43
R



LET
ALTERATION
DATE
BY
1¼ (REF.)
17 15/16
1 ½
¾ (REF.)
1/8
MCR 254-2
PBY-5A
28F7569
ASSY. DASH No.
MODEL
NEXT ASSY.
REQUIREMENTS PER AIRPLANE
REPLACES
.16
CALC. WT.
REPLACED BY
ACT. WT.
± 1/32
SCALE
6"=1'0"
STAMP PART NUMBER WHERE SHOWN
Y6A32T x 18 1/16
PART No.
STOCK
MATERIAL
SPEC.
LH RH
REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
AC
NAVY NONE
Z-P-6P
HEAT TREAT
FINISH
5-1-43
5-20-43
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NAME SUPPORT-FURNS-TRANSMITTER & RECEIVER ALTIMETER-REAR
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP. HAND
DWG. SIZE B
28F7568
APPROVED FOR TOOLING BY
Howard
5/28/43
28F7568
R



LET	ALTERATION	DATE	BY
A	REVERSED TOP VIEW. NO WT. CHG.	6-30-43	[illegible]
B	CHANGED DIM. 5/16 WAS 3/4, 7 7/8 WAS 8 1/16.	9-1[illegible]	[illegible]

	PBY-5A	28F7569	2
ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.

REQUIREMENTS PER AIRPLANE

REPLACES	#.14 CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	SCALE 6" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	LH REQ.	RH REQ.	LH REQ.	RH REQ.	LH REQ.	RH REQ.	LH REQ.	RH REQ.	LH REQ.	RH REQ.
	Y10A1287 x 8 9/16												
PARTS LIST PER ASSY.				-0		-2		-3		-4		-5	

AC		WALLACE	[illegible]	[illegible]			[illegible]
NAVY NONE	ZP-GP	5-1-43	5-28-43	[illegible]	[illegible]	[illegible]	[illegible]
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

NAME SUPPORT-FURNS-TRANSMITTER & RECEIVER ALTIMETER-TOP

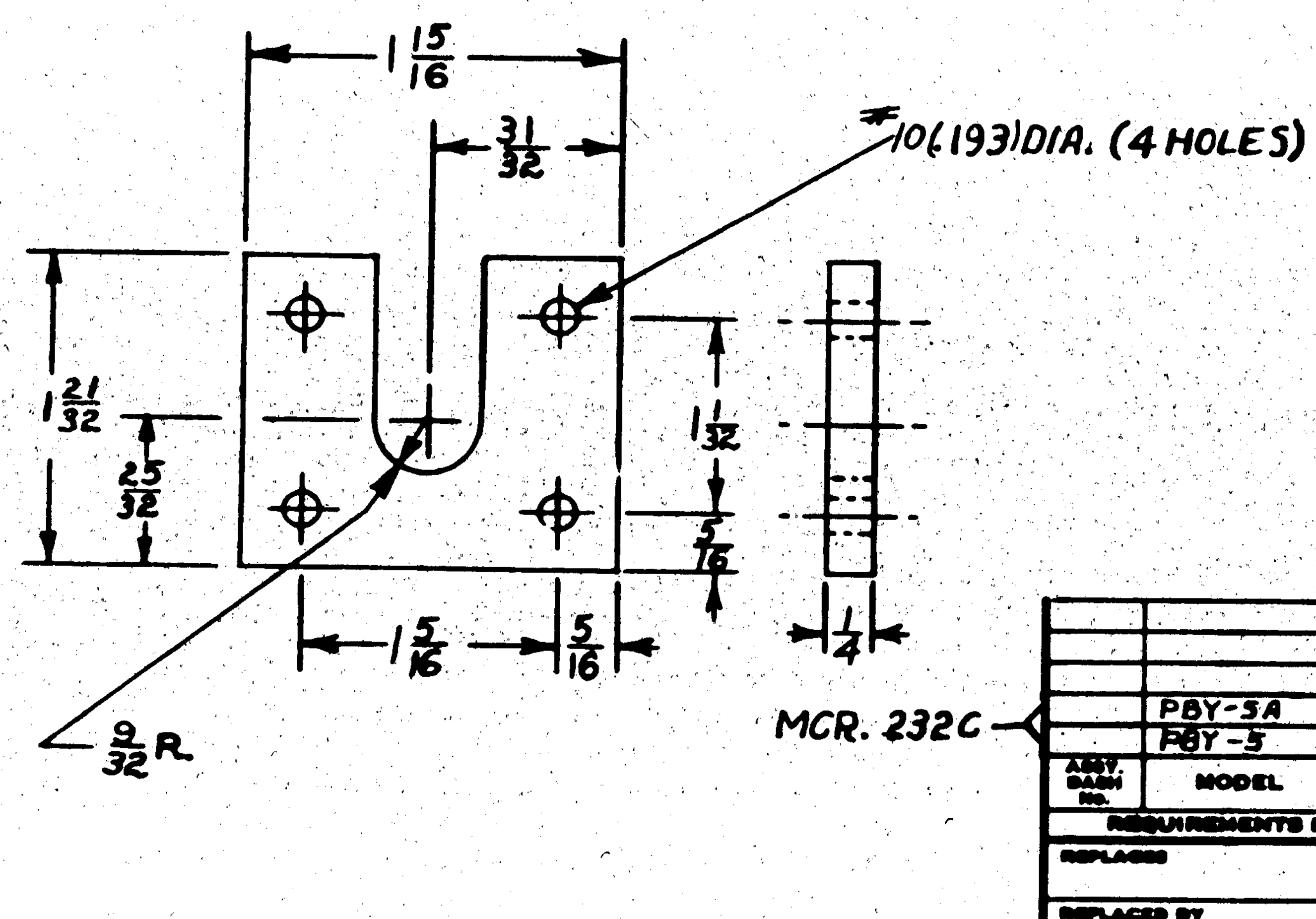
OPP. HAND

DWG. SIZE B 28F7570

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

APPROVED FOR TOOLING BY
Howarth
5/28/43

R. 28F7570



APPROVED FOR
TOOLING BY
Howard
5/19/43

LET	ALTERATION	DATE	BY

MCR. 232C

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28F060	1
	PBY-5	28F060	1

REQUIREMENTS PER AIRPLANE

REPLACES	.05# CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± Var.	SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PURCHASE TO DWG.

PART No.	STOCK	MATERIAL	SPEC.	-0 LH REQ.	-0 RH REQ.	-2 LH REQ.	-2 RH REQ.	-3 LH REQ.	-3 RH REQ.	-4 LH REQ.	-4 RH REQ.	-5 LH REQ.	-5 RH REQ.
	1/4 X 2 1/16 X 1 13/16	LAM. PHEN. SHT.	17P5PBG-5										

PARTS LIST PER ASSY.

AC		DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.
NAVY NONE	NONE	4-30					
HEAT TREAT	FINISH						

NAME FAIRLEAD - FURN - ABK CABLE

OPP. HAND

DWG. SIZE B

28F7571

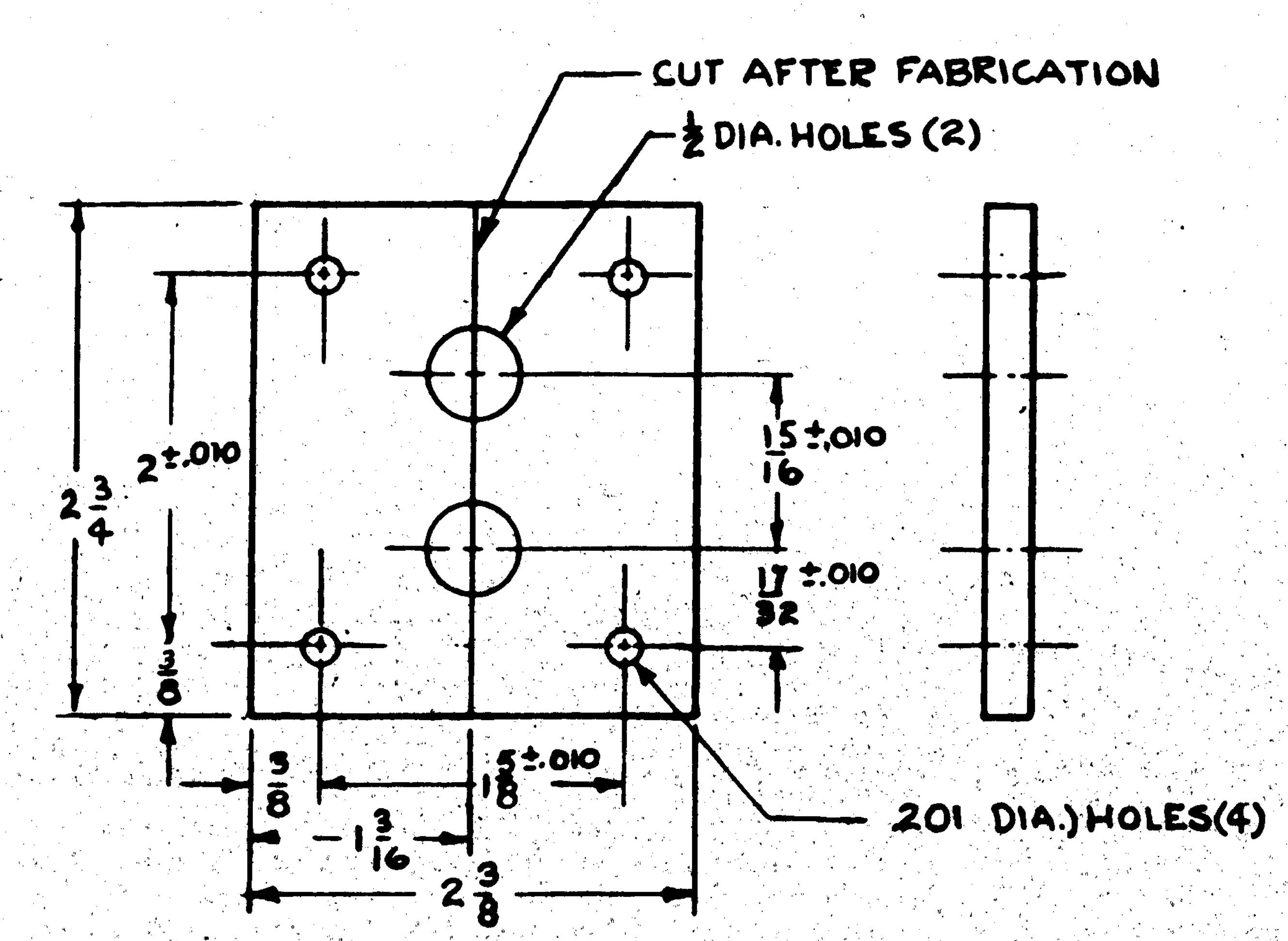
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

28F75

LET	ALTERATION	DATE	BY
A	1H REQ/AIRP. BLOCK 1 REQ. WAS		
	2 REQ. WT. CHG.	6-5-43	[illegible]
		9-13-43	HYM

28F7582



NOTES:

1. BREAK ALL SHARP CORNERS.
2. TIE MATCHING PARTS TOGETHER IN PAIRS AFTER FABRICATION.

M.C.R. #254-3

APPROVED FOR TOOLING BY
E. E. Dalton
6-14-43

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28F6955	1

REQUIREMENTS PER AIRPLANE

REPLACES	.08# CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	SCALE 12"=1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 REQ. LH	-0 REQ. RH	-2 REQ. LH	-2 REQ. RH	-3 REQ. LH	-3 REQ. RH	-4 REQ. LH	-4 REQ. RH	-5 REQ. LH	-5 REQ. RH
	1/4 x 2 1/2 x 2 7/8	LAM. PHEN. SH.	17P5FBG-5										

PARTS LIST PER ASSY.

AC		DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.
NAVY NONE	NONE	Wallace 5-17-43	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
HEAT TREAT	FINISH						

NAME FAIRLEAD - FURN - ALTIMETER CABLES BLKHDS #20 & 40

OPP. HAND NONE

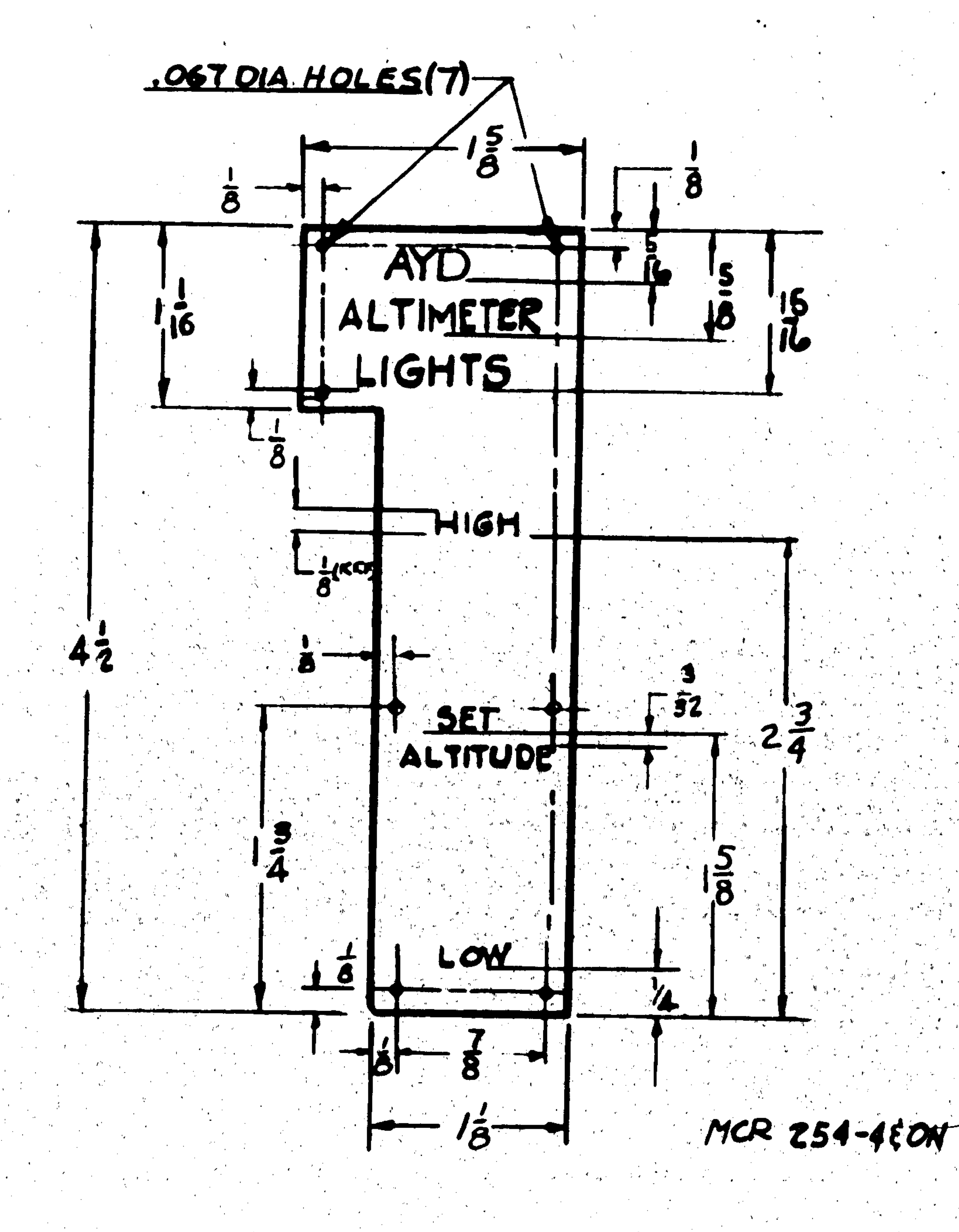
DWG. SIZE B 28F7582

CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.

R

[illegible] 7/2/43

LET	ALTERATION	DATE	BY
A	AYD WAS AYB	8-5-43	BAIRD



NOTES:

1. 1/32 OR 1/16 RED FIBRE COMMERCIAL GRADE. COAT BOTH SURFACES WITH ANDREW H. BROWN CO. 6-60 W.P. SEALER OR EQUIVALENT AFTER SCREENING OR LITHOGRAPHING.
2. UPPER LETTERING 3/16 HIGH, OTHER 1/8 HIGH.
3. LETTERS & BORDER TO BE PALE GREEN FLUORESCENT LACQUER (# 10 U.S. RADIUM CO. OR EQUIVALENT.) BACKGROUND FINISHED RED. STAMP PART NO ON REVERSE SIDE

MCR 254-4 ON

PURCHASE TO DWG.

ASSY DASH No	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28F7584	1

REQUIREMENTS PER AIRPLANE

REPLACES	.01 CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	SCALE 12" 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 LH REQ.	-0 RH REQ.	-2 LH REQ.	-2 RH REQ.	-3 LH REQ.	-3 RH REQ.	-4 LH REQ.	-4 RH REQ.	-5 LH REQ.	-5 RH REQ.
	NOTED	NOTED	NOTED										

PARTS LIST PER ASSY.

[redacted]

AC	
NAVY NONE	NOTED
HEAT TREAT	FINISH

DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.
5-28-43					

NAME: NAMEPLATE - ALTIMETER LIGHTS

OPP. HAND —

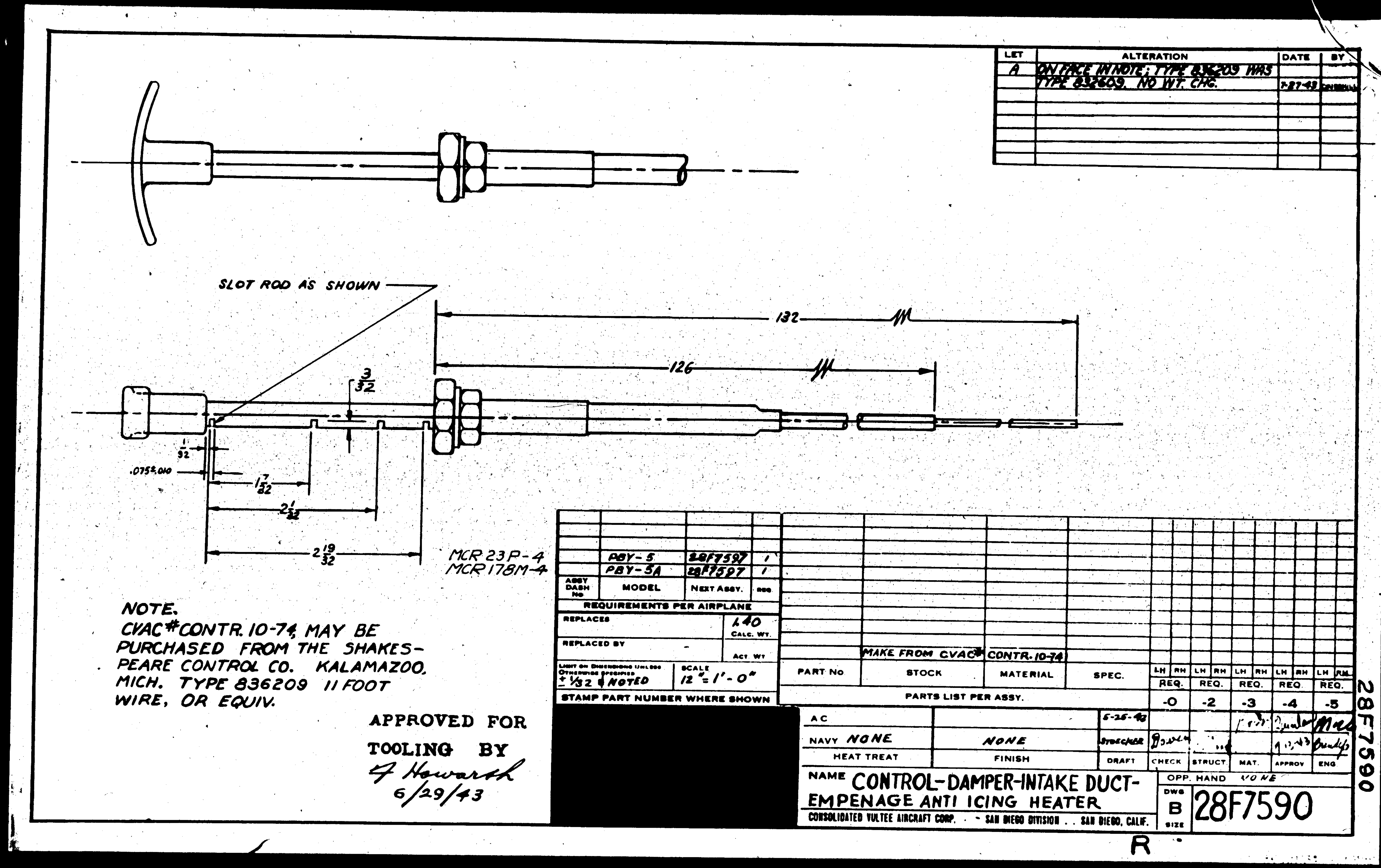
DWG. SIZE B 28F7585

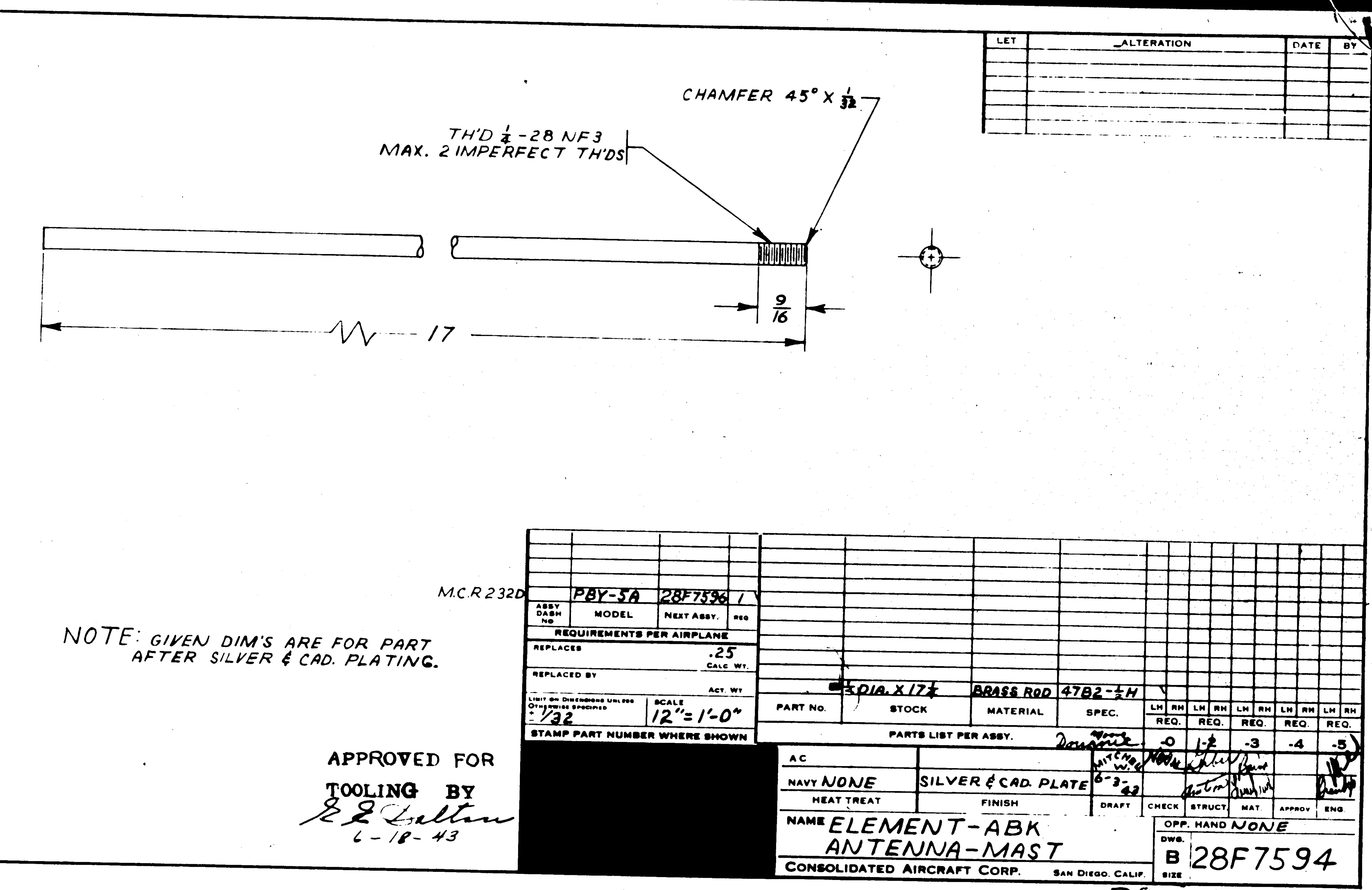
CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.

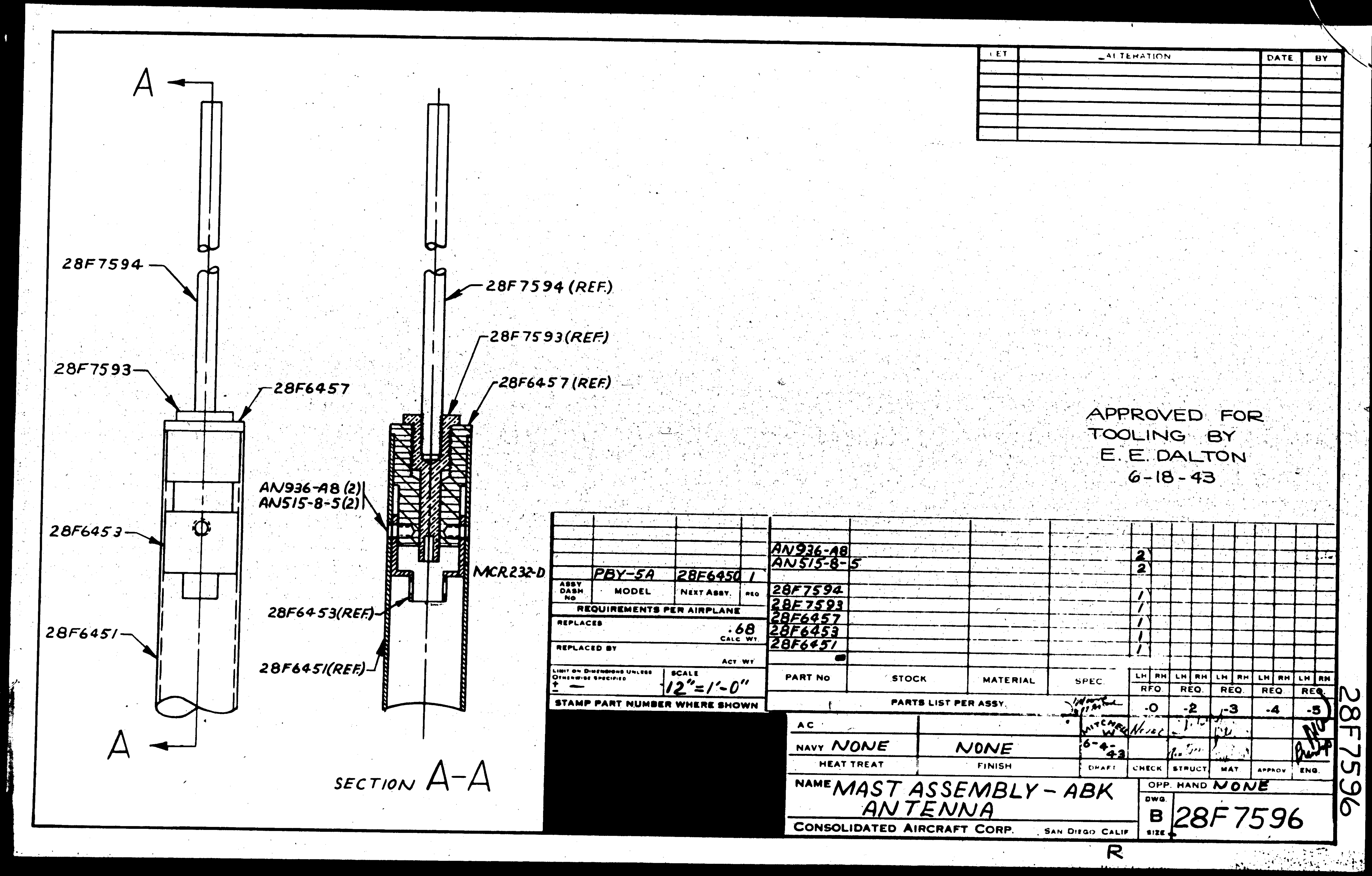
APPROVED FOR TOOLING BY 6-24-43

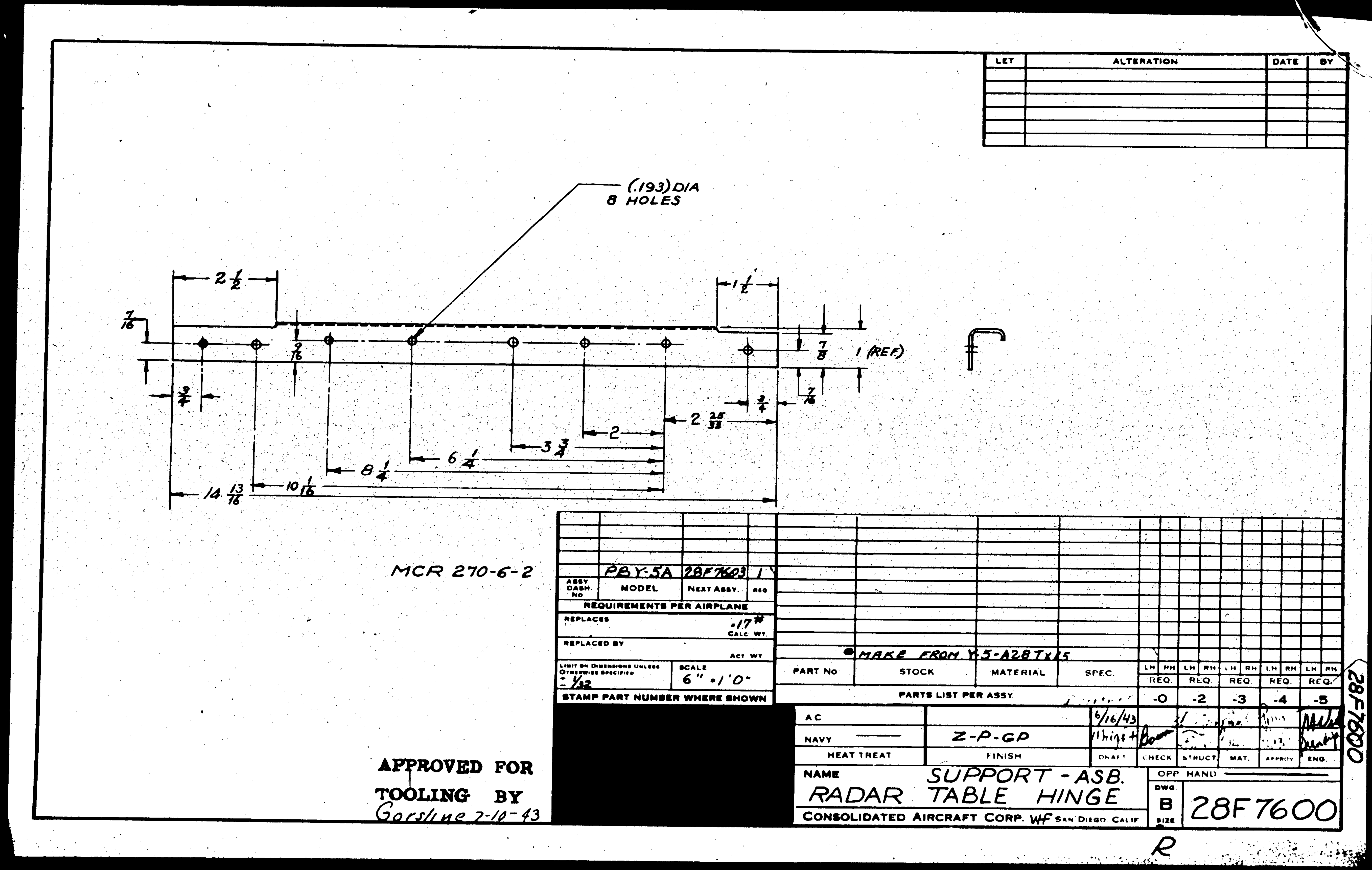
28F7585

R


LET
ALTERATION
DATE
BY
A
ON FACE IN NOTE; TYPE 836209 WAS TYPE 832609. NO WT. CHG.
7-27-43
SLOT ROD AS SHOWN
132
126
3/32
1/32
.075±.010
1 7/32
2 1/32
2 19/32
MCR 23P-4
MCR 178M-4
PBY-5
28F7597
1
PBY-5A
28F7597
1
ASSY DASH No
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.40
CALC. WT.
REPLACED BY
ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 NOTED
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
MAKE FROM CVAC# CONTR. 10-74
PART No
STOCK
MATERIAL
SPEC.
LH RH REQ. -0
LH RH REQ. -2
LH RH REQ. -3
LH RH REQ. -4
LH RH REQ. -5
PARTS LIST PER ASSY.
NOTE.
CVAC# CONTR. 10-74, MAY BE PURCHASED FROM THE SHAKESPEARE CONTROL CO. KALAMAZOO, MICH. TYPE 836209 11 FOOT WIRE, OR EQUIV.
APPROVED FOR TOOLING BY
F Howarth
6/29/43
[redacted]
AC
5-26-43
NAVY NONE
NONE
STOECKER
HEAT TREAT
FINISH
DRAFT
CHECK
STRUCT.
MAT.
APPROV
ENG
NAME CONTROL-DAMPER-INTAKE DUCT-EMPENAGE ANTI ICING HEATER
CONSOLIDATED VULTEE AIRCRAFT CORP. - SAN DIEGO DIVISION . . SAN DIEGO, CALIF.
OPP. HAND NONE
DWG SIZE B
28F7590
28F7590
R

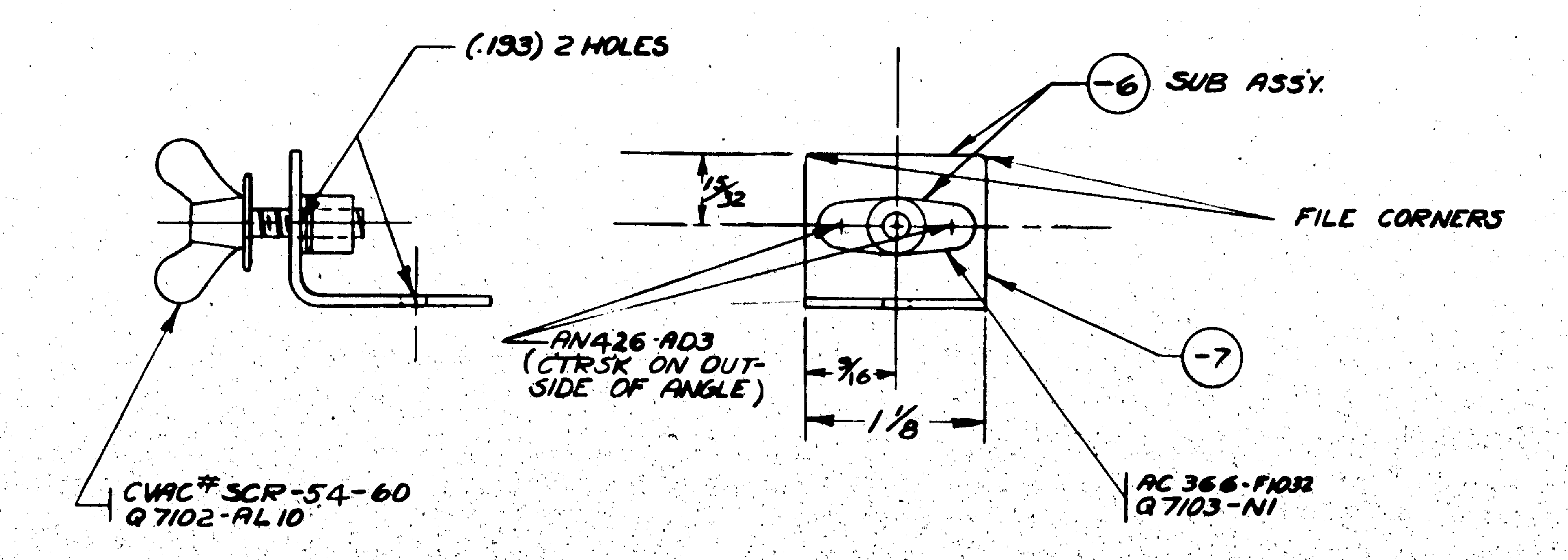

LET
ALTERATION
DATE
BY
CHAMFER 45° X 1/32
TH'D 1/4 -28 NF3
MAX. 2 IMPERFECT TH'DS
9/16
17
M.C.R 232D
PBY-5A
28F7596
1
ASSY DASH NO
MODEL
NEXT ASSY.
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
.25
CALC WT.
REPLACED BY
ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/32
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
NOTE: GIVEN DIM'S ARE FOR PART AFTER SILVER & CAD. PLATING.
DIA. X 17
BRASS ROD
47B2-1/2H
PART No.
STOCK
MATERIAL
SPEC.
LH RH
REQ.
PARTS LIST PER ASSY.
-0
1-2
-3
-4
-5
APPROVED FOR
TOOLING BY
6-18-43
AC
NAVY NONE
SILVER & CAD. PLATE
HEAT TREAT
FINISH
6-3-43
DRAFT
CHECK
STRUCT.
MAT.
APPROV
ENG.
NAME ELEMENT-ABK ANTENNA-MAST
OPP. HAND NONE
DWG. SIZE B
28F7594
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.


LET
ALTERATION
DATE
BY
A
A
28F7594
28F7593
28F6457
28F6453
28F6451
28F7594 (REF.)
28F7593 (REF.)
28F6457 (REF.)
AN936-A8 (2)
AN515-8-5 (2)
MCR232-D
28F6453 (REF.)
28F6451 (REF.)
SECTION A-A
APPROVED FOR TOOLING BY E. E. DALTON 6-18-43
PBY-5A
28F6450
1
ASSY DASH No
MODEL
NEXT ASSY.
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
.68
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
SCALE 12"=1'-0"
STAMP PART NUMBER WHERE SHOWN
AN936-A8 2
AN515-8-5 2
28F7594 1
28F7593 1
28F6457 1
28F6453 1
28F6451 1
PART No
STOCK
MATERIAL
SPEC.
LH RH RFQ. -0
LH RH REQ. -2
LH RH REQ. -3
LH RH REQ. -4
LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY NONE
NONE
HEAT TREAT
FINISH
6-4-43
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NAME MAST ASSEMBLY - ABK ANTENNA
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF.
OPP. HAND NONE
DWG. SIZE B
28F7596
28F7596
R



LET | ALTERATION | DATE | BY
(.193) DIA
8 HOLES
2 1/2
1 1/2
7/16
9/16
7/8
1 (REF.)
3/4
7/16
3/4
2 25/32
2
3 3/4
6 1/4
8 1/4
10 1/16
14 13/16
MCR 270-6-2
PBY-5A | 28F7603 | 1
ASSY DASH No | MODEL | NEXT ASSY. | REQ
REQUIREMENTS PER AIRPLANE
REPLACES
.17#
CALC WT.
REPLACED BY
ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 6" = 1'0"
STAMP PART NUMBER WHERE SHOWN
● MAKE FROM Y.5-A28T x 15
PART No | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY
HEAT TREAT
Z-P-GP
FINISH
6/16/43
DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
NAME SUPPORT - ASB.
RADAR TABLE HINGE
OPP HAND
DWG. B SIZE
28F7600
CONSOLIDATED AIRCRAFT CORP. WF SAN DIEGO, CALIF.
APPROVED FOR
TOOLING BY
Gorsline 7-10-43
R
28F7600

LET	ALTERATION	DATE	BY



MCR 270-6-2

NOTE: CVAC# SCR-54-60 MAY BE PURCHASED FROM THE PARKER-KALON CO. NEW YORK, N.Y. PARKER-KALON # PK-20 (10-32 X 3/4)

ASSY DASH No	MODEL	NEXT ASSY.	REQ
-0	PBY-5A	28F7603	2

REQUIREMENTS PER AIRPLANE

REPLACES	.031 CALC WT.
REPLACED BY	ACT. WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	SCALE
± 1/32	12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 LH REQ.	-0 RH REQ.	-2 LH REQ.	-2 RH REQ.	-3 LH REQ.	-3 RH REQ.	-4 LH REQ.	-4 RH REQ.	-5 LH REQ.	-5 RH REQ.
AN426-AD3				1									
Q7103-N1				1									
AC366-F1032				1									
-7	1/16 A44T X 1 1/4			1									
-6	SUB ASSY.												
CVAC# SCR-50-60	(PK-20 10-32 x 9/16)			1									
Q7102-AL10				1									
-6	SUB ASSY			1									

PARTS LIST PER ASSY. Dorrance

AC		6-19-43					
NAVY NONE	Z-P-GP	W. BENNER	Bowen	[illegible]	[illegible]	[illegible]	[illegible]
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.

NAME SCREW ASSY.-ASB RADAR INDICATOR TILT ADJUSTMENT

OPP. HAND

DWG. SIZE B 28F7601

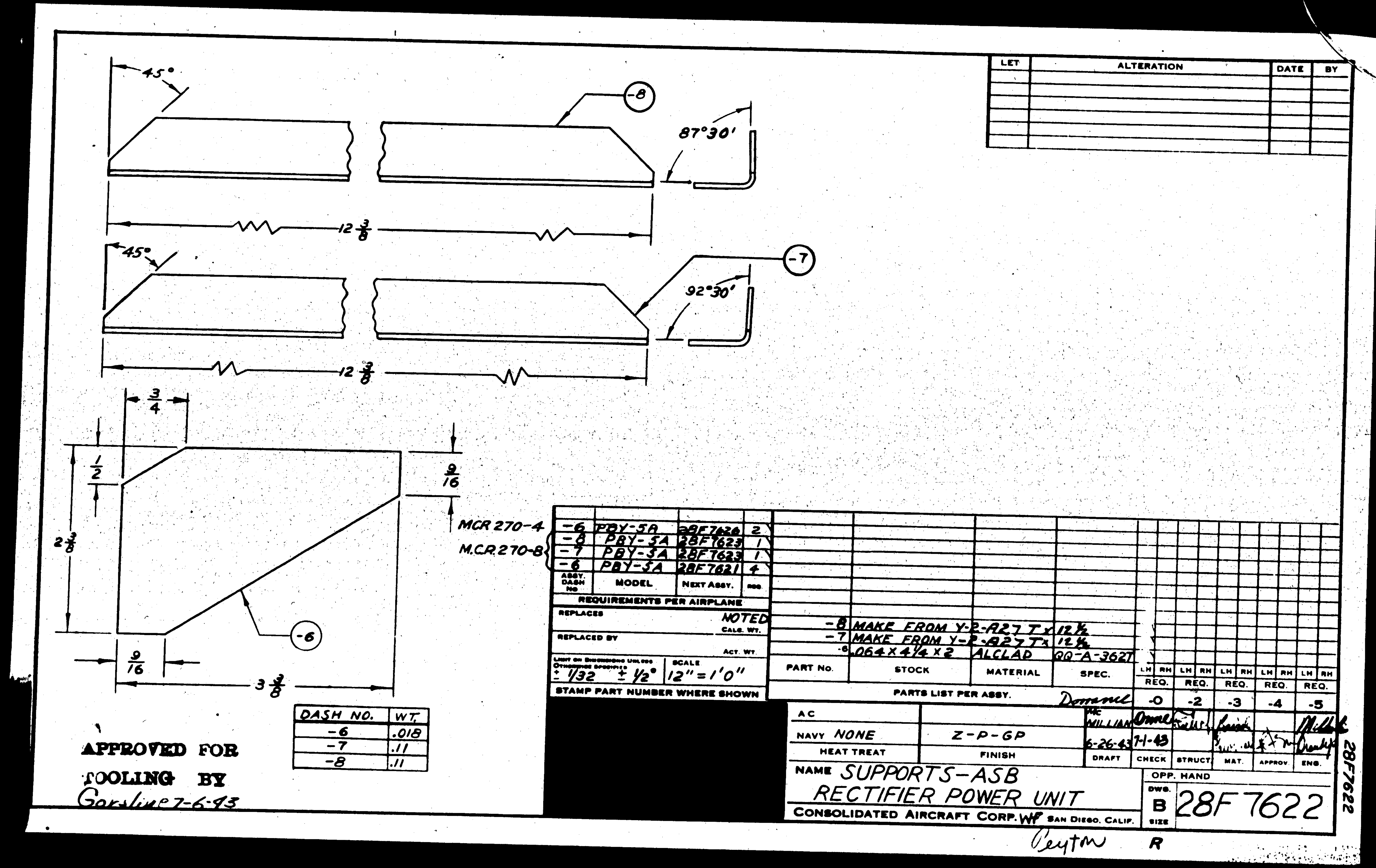
CONSOLIDATED AIRCRAFT CORP. WF SAN DIEGO, CALIF.

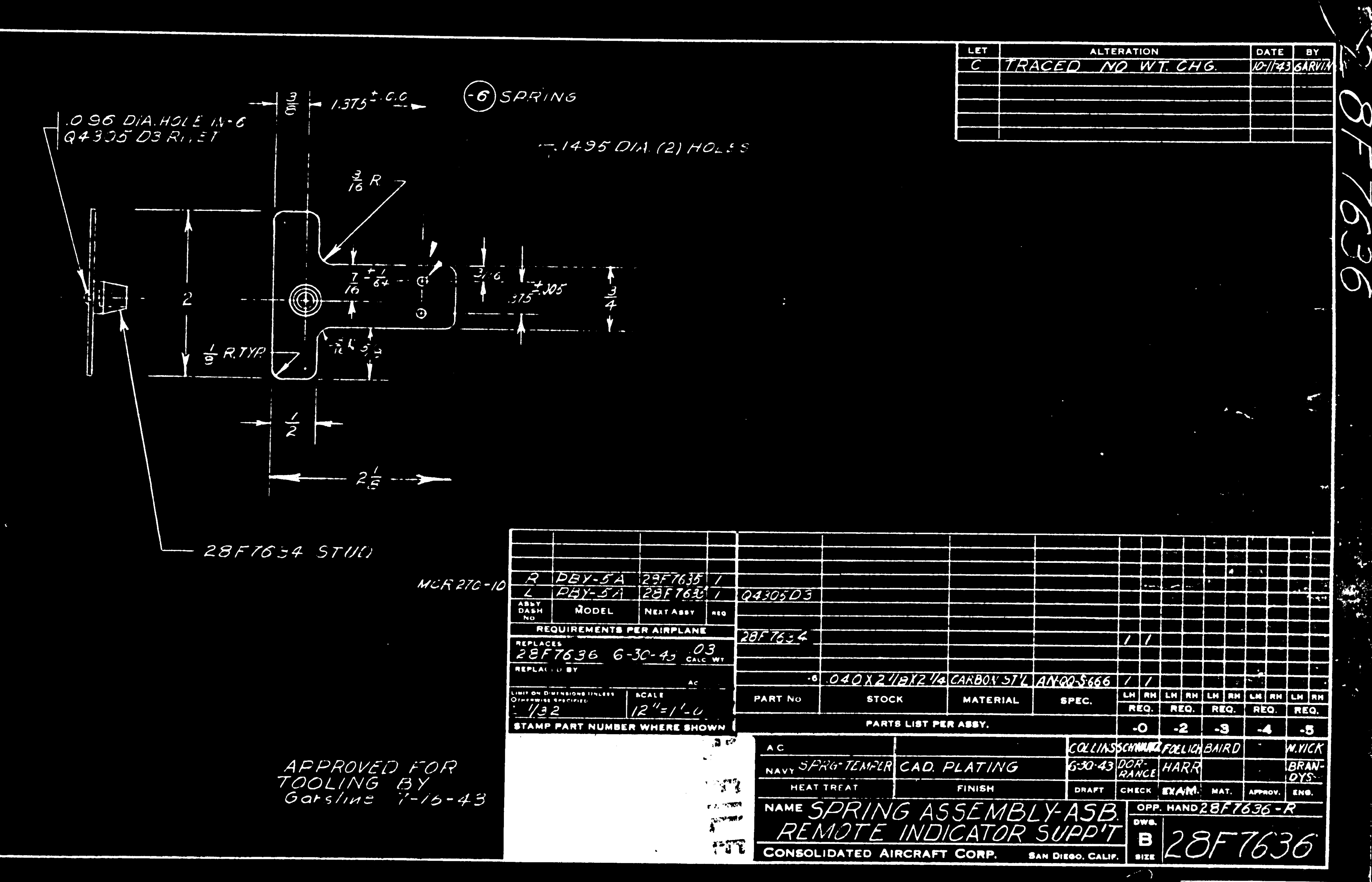
28F7601

APPROVED FOR TOOLING BY Gorsline 7-10-43

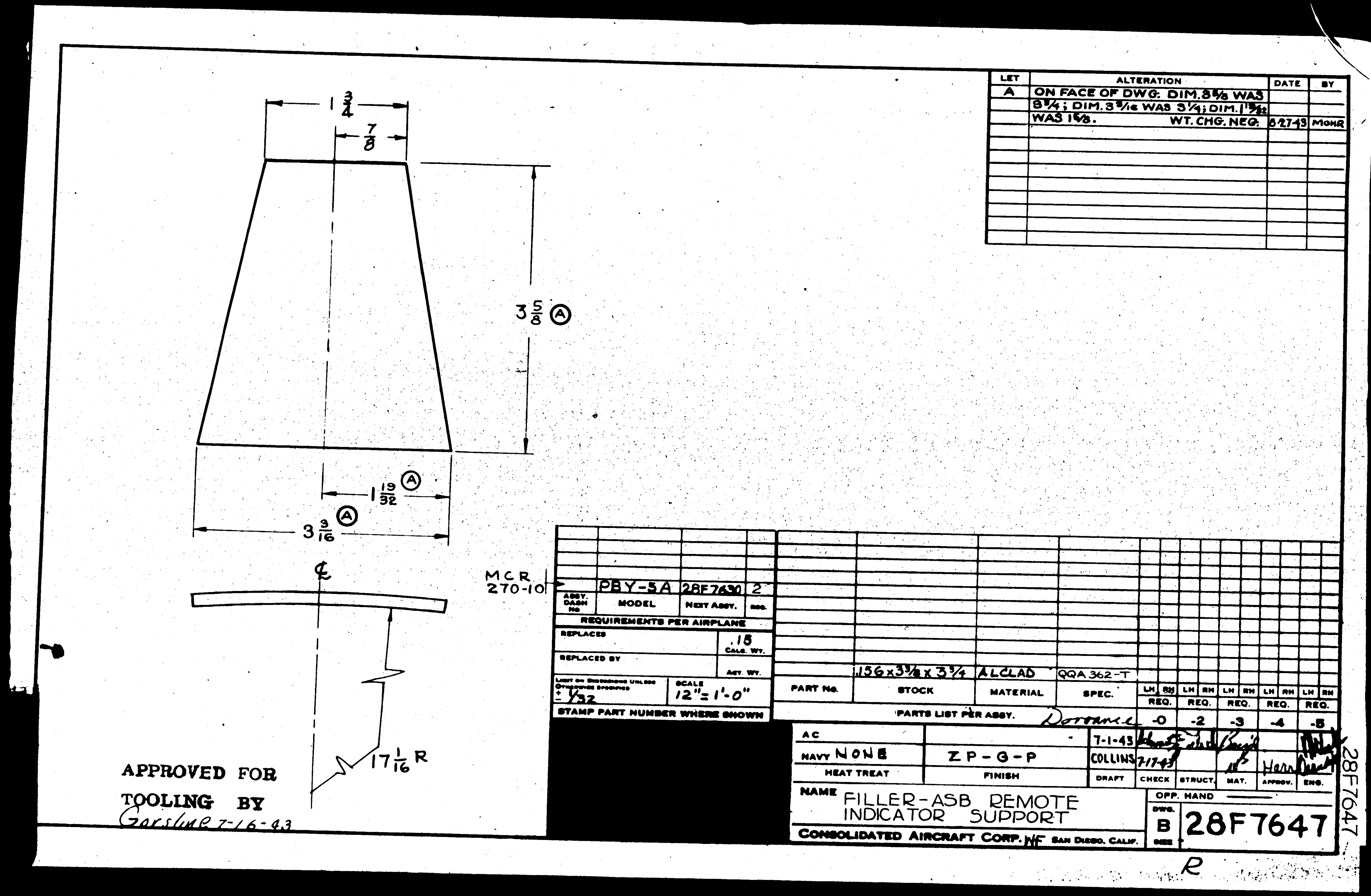
W. GOLDSBERRY

R

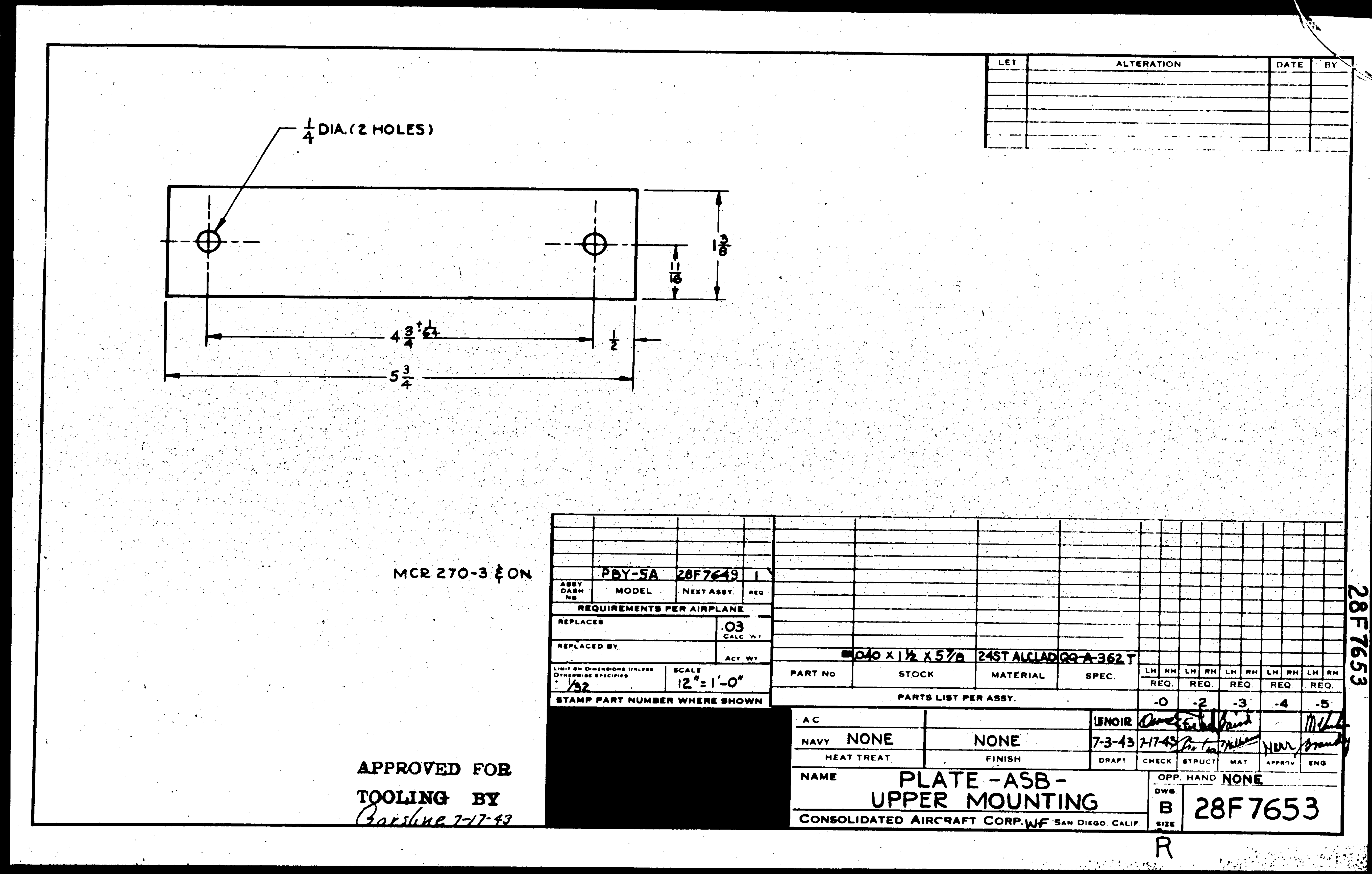

LET
ALTERATION
DATE
BY
45°
-8
87°30'
12 3/8
45°
-7
92°30'
12 3/8
3/4
1/2
9/16
2 3/8
-6
9/16
3 3/8
MCR 270-4
M.C.R. 270-8
-6 PBY-5A 28F7626 2
-8 PBY-5A 28F7623 1
-7 PBY-3A 28F7623 1
-6 PBY-5A 28F7621 4
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
NOTED
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
± 1/32 ± 1/2°
12" = 1'0"
STAMP PART NUMBER WHERE SHOWN
-8 MAKE FROM Y-2-A27 T x 12 1/2
-7 MAKE FROM Y-2-A27 T x 12 1/2
-6 .064 X 4 1/4 X 2 ALCLAD QQ-A-362T
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
DASH NO. WT.
-6 .018
-7 .11
-8 .11
AC
NAVY NONE
Z-P-GP
HEAT TREAT
FINISH
McWILLIAMS
6-26-43
7-1-43
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NAME SUPPORTS-ASB
RECTIFIER POWER UNIT
OPP. HAND
DWG.
B
SIZE
28F7622
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
APPROVED FOR
TOOLING BY
Gorsline 7-6-43
28F7622
R



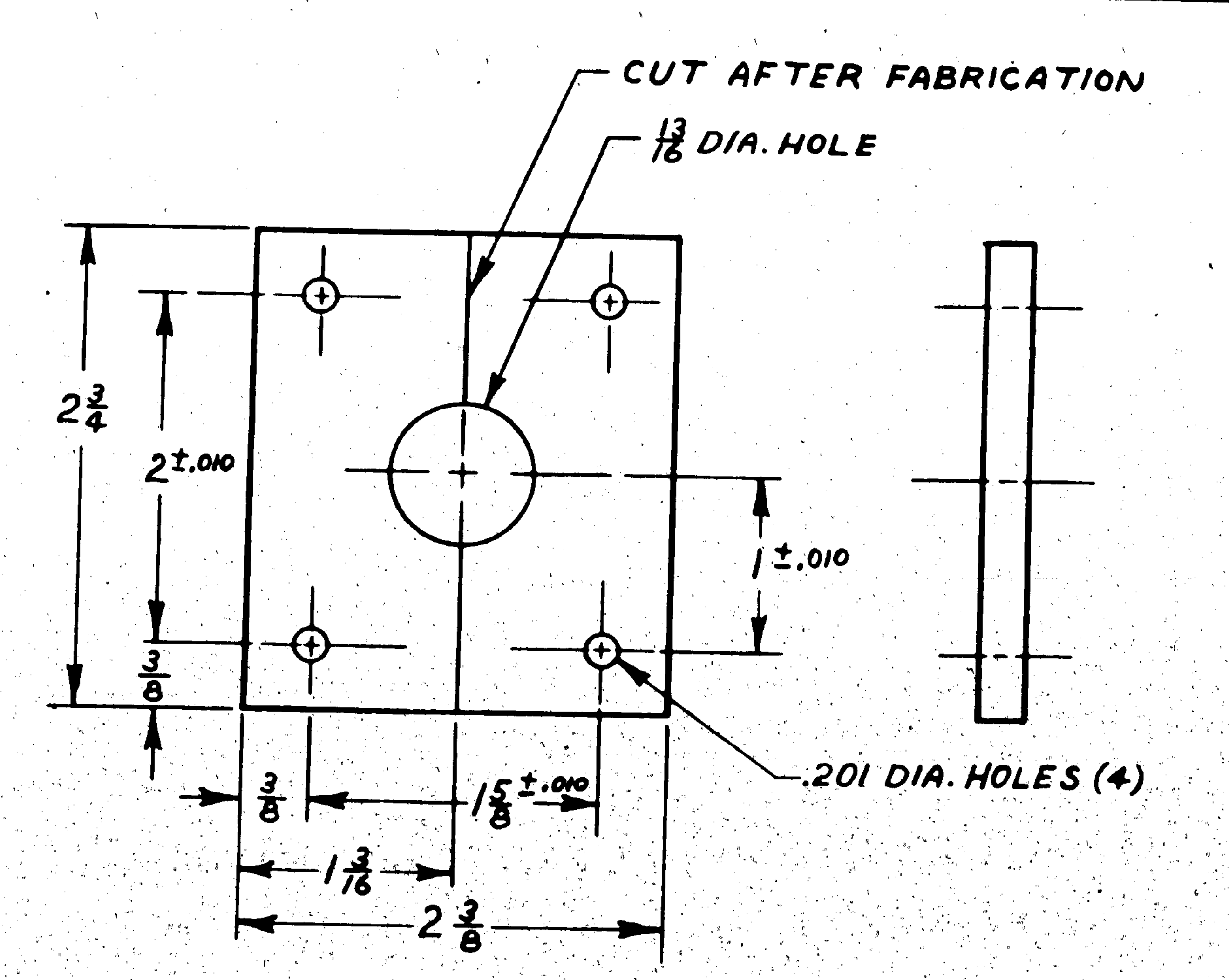
LET | ALTERATION | DATE | BY
C | TRACED NO WT. CHG. | 10-11-43 | GARVIN
28F7636
-6 SPRING
.096 DIA. HOLE IN -6
Q4305 D3 RIVET
.1495 DIA. (2) HOLES
3/16 R
1/8 R. TYP.
1.375
28F7634 STUD
MCR 270-10
R | PBY-5A | 28F7635 | 1
L | PBY-5A | 28F7636 | 1
ASSY DASH NO | MODEL | NEXT ASSY | REQ
REQUIREMENTS PER AIRPLANE
REPLACES 28F7636 6-30-43
.03 CALC WT
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±1/32
SCALE 12"=1'-0
STAMP PART NUMBER WHERE SHOWN
Q4305D3
28F7634
-6 | .040 X 2 1/8 X 2 1/4 | CARBON ST'L | AN-QQ-S666 | 1 | 1
PART No | STOCK | MATERIAL | SPEC.
PARTS LIST PER ASSY.
REQ. -0 -2 -3 -4 -5
AC
NAVY SPRG-TEMPER | CAD. PLATING
HEAT TREAT | FINISH
COLLINS 6-30-43 | DRAFT
DORRANCE | CHECK
HARR | EXAM.
BAIRD | MAT.
APPROV.
W. YICK BRANDYS | ENG.
NAME SPRING ASSEMBLY-ASB. REMOTE INDICATOR SUPP'T
OPP. HAND 28F7636-R
DWG. SIZE B
28F7636
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
APPROVED FOR TOOLING BY
Garsline 7-15-43



LET
ALTERATION
DATE
BY
A
ON FACE OF DWG. DIM. 3 5/8 WAS 3 3/4; DIM. 3 3/16 WAS 3 1/4; DIM. 1 19/32 WAS 1 5/8.
WT. CHG. NEG.
8-27-43
MOHR
1 3/4
7/8
3 5/8 (A)
1 19/32 (A)
3 3/16 (A)
℄
17 1/16 R
MCR 270-10
PBY-5A
28F7630
2
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.15
CALC. WT.
REPLACED BY
ACT. WT.
.156 x 3 3/8 x 3 3/4
ALCLAD
QQA 362-T
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ.
PARTS LIST PER ASSY.
-0
-2
-3
-4
-5
± 1/32
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
AC
NAVY NONE
HEAT TREAT
ZP-G-P
FINISH
7-1-43
COLLINS
7-17-43
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NAME FILLER-ASB REMOTE INDICATOR SUPPORT
OPP. HAND
DWG. B SIZE
28F7647
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
APPROVED FOR TOOLING BY
7-16-43
28F7647



LET
ALTERATION
DATE
BY
1/4 DIA. (2 HOLES)
1 3/8
11/16
4 3/4 ± 1/64
1/2
5 3/4
MCR 270-3 & ON
PBY-5A
28F7649
1
ASSY DASH No
MODEL
NEXT ASSY.
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
.03
CALC WT
REPLACED BY
ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/32
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.040 X 1 1/2 X 5 7/8
24ST ALCLAD
QQ-A-362 T
PART No
STOCK
MATERIAL
SPEC.
LH
RH
REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
AC
NAVY
NONE
HEAT TREAT
NONE
FINISH
LENOIR
7-3-43
DRAFT
7-17-43
CHECK
STRUCT
MAT
APPROV
ENG
NAME
PLATE - ASB -
UPPER MOUNTING
OPP. HAND NONE
DWG. SIZE
B
28F7653
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF
WF
APPROVED FOR
TOOLING BY
Garsline 7-17-43
R
28F7653



LET	ALTERATION	DATE	BY

M.C.R. 270-11

NOTES:
1. BREAK ALL SHARP CORNERS.
2. TIE MATCHING PARTS TOGETHER IN PAIRS AFTER FABRICATION.

APPROVED FOR TOOLING BY Garsline 7-17-43

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28F6955	1

REQUIREMENTS PER AIRPLANE

REPLACES	.072 CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	SCALE 12"=1'-0"

STAMP PART NUMBER WHERE SHOWN

PURCHASE TO DWG.

PART No.	STOCK	MATERIAL	SPEC.	LH -0 REQ.	RH -0 REQ.	LH -2 REQ.	RH -2 REQ.	LH -3 REQ.	RH -3 REQ.	LH -4 REQ.	RH -4 REQ.	LH -5 REQ.	RH -5 REQ.
	1/4 X 2 1/2 X 2 1/8	LAM. PHEN. SHT.	17P5FBG-S	1									

PARTS LIST PER ASSY. Dorrance

AC							
NAVY NONE	NONE	7-7-43	7-21-43				
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

NAME FAIRLEAD - ASB B'LKH'D # 2

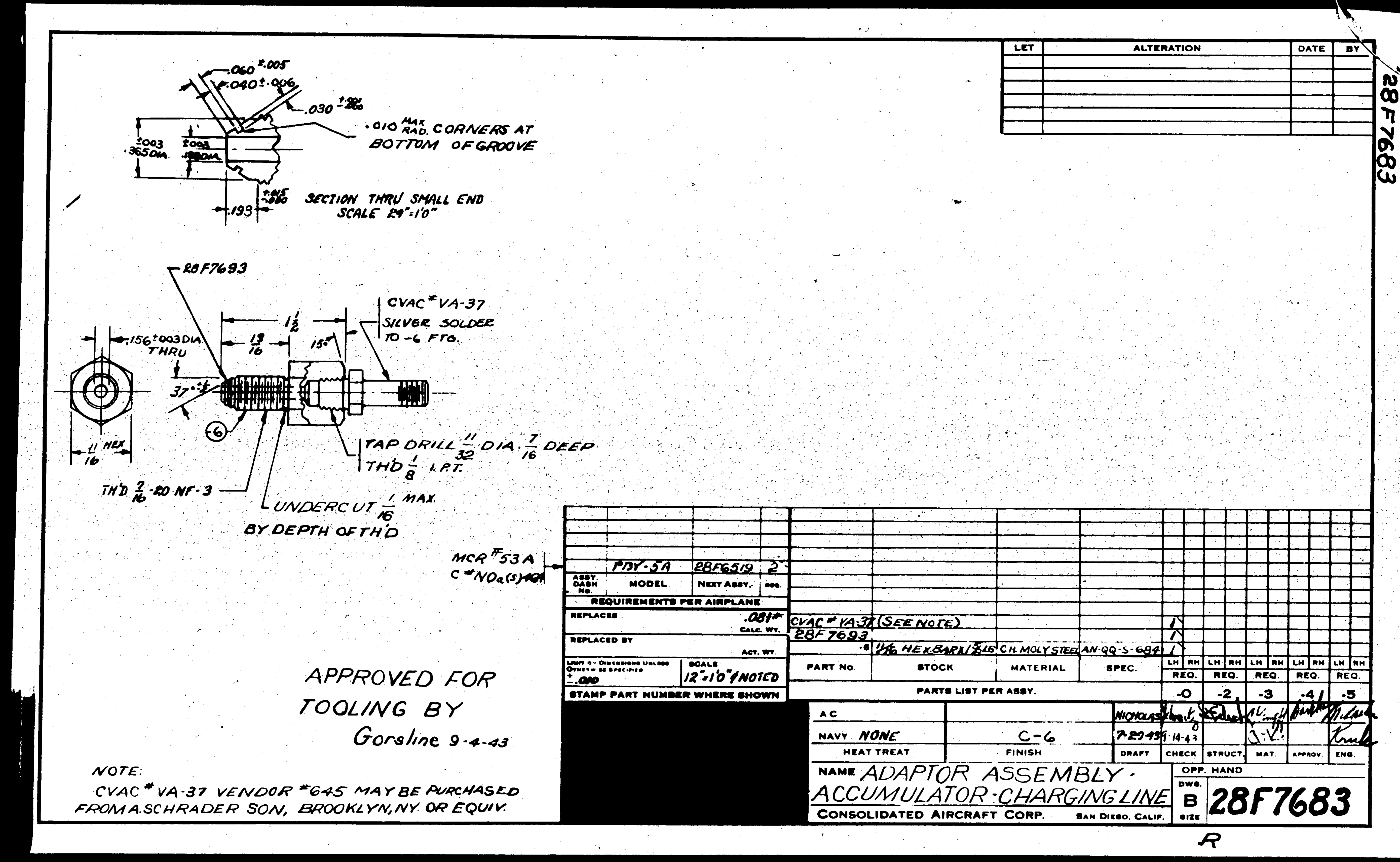
OPP. HAND NONE

DWG. B SIZE 28F7660

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

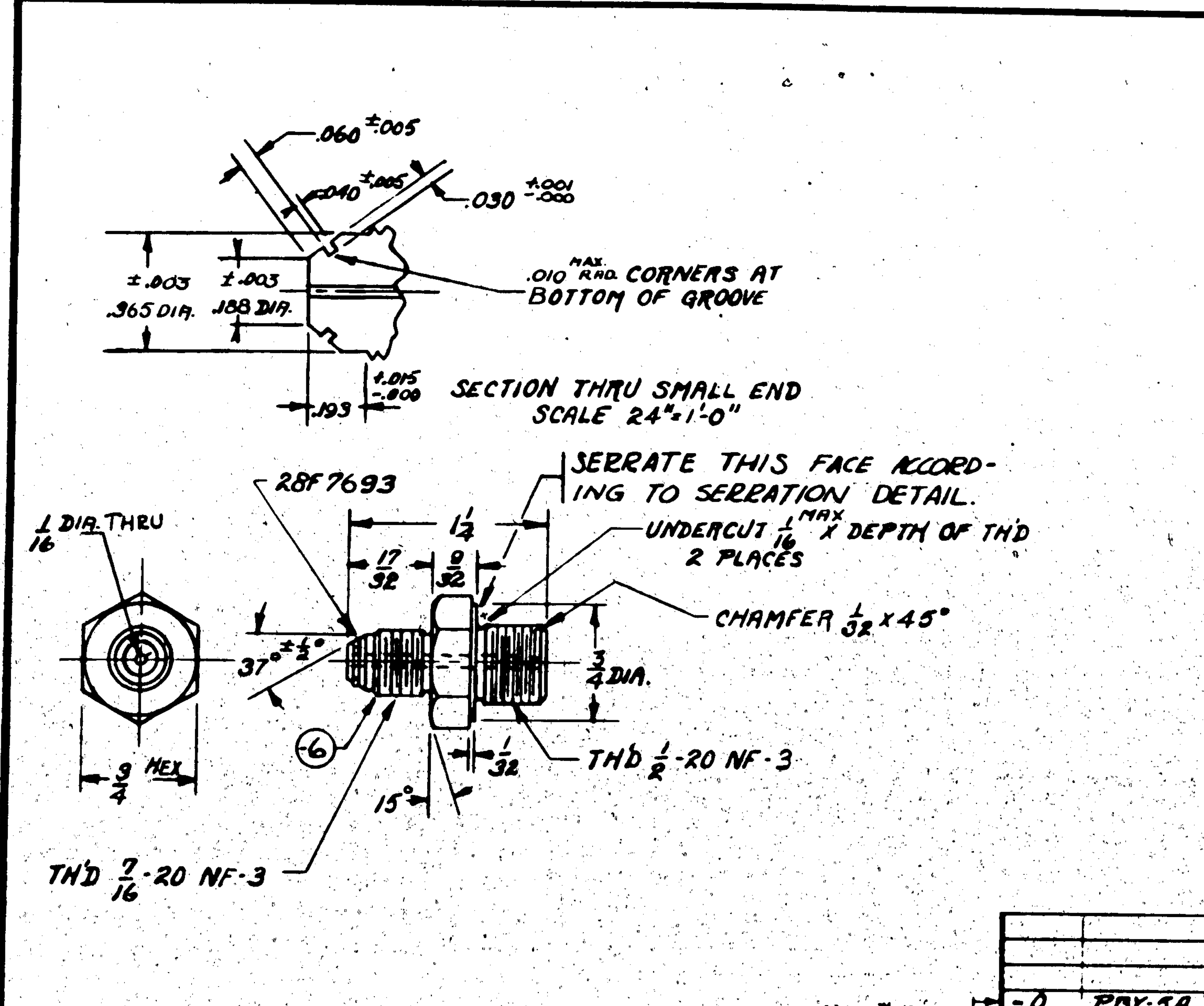
28F7660

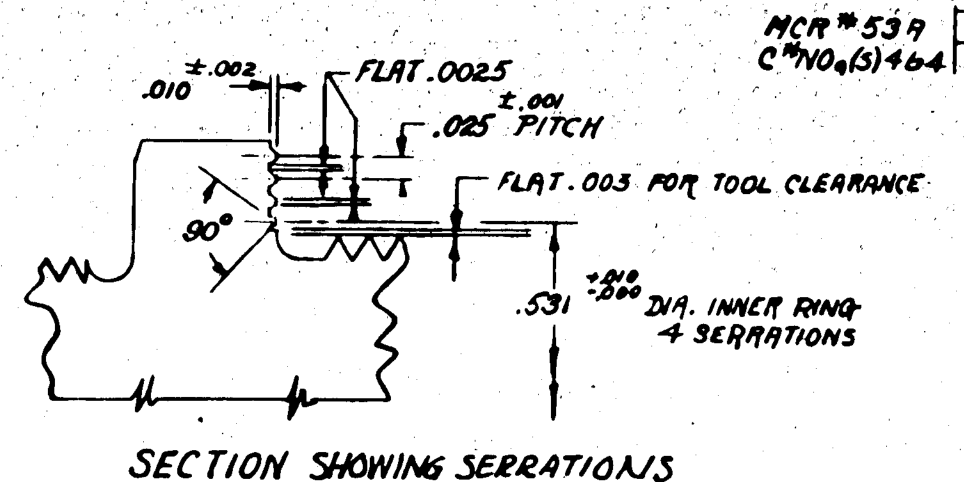


28F7683
LET
ALTERATION
DATE
BY
.060 ±.005
.040 ±.006
.030
.010 MAX RAD. CORNERS AT BOTTOM OF GROOVE
.365 DIA.
.193
SECTION THRU SMALL END
SCALE 24"=1'0"
28F7693
CVAC # VA-37
SILVER SOLDER TO -6 FTG.
.156 ±.003 DIA. THRU
1 1/2
13/16
15°
37°
-6
11/16 HEX
TAP DRILL 11/32 DIA. 7/16 DEEP
THD 1/8 I.P.T.
TH'D 7/16-20 NF-3
UNDERCUT 1/16 MAX BY DEPTH OF TH'D
MCR # 53 A
PBY-5A
28F6519
2
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.081#
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
12"=1'0" & NOTED
STAMP PART NUMBER WHERE SHOWN
CVAC # VA-37 (SEE NOTE)
28F7693
-6
11/16 HEX BAR
CH. MOLY STEEL
AN-QQ-S-684
PART NO.
STOCK
MATERIAL
SPEC.
PARTS LIST PER ASSY.
LH
RH
REQ.
-0
-2
-3
-4
-5
APPROVED FOR TOOLING BY
Gorsline 9-4-43
AC
NAVY NONE
HEAT TREAT
C-6
FINISH
NICHOLAS
7-29-43
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NOTE:
CVAC # VA-37 VENDOR #645 MAY BE PURCHASED FROM A. SCHRADER SON, BROOKLYN, N.Y. OR EQUIV.
NAME ADAPTOR ASSEMBLY - ACCUMULATOR-CHARGING LINE
OPP. HAND
DWG. SIZE
B
28F7683
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
R

LET	ALTERATION	DATE	BY

28F7684





APPROVED FOR TOOLING BY Gorslive 9-4-43

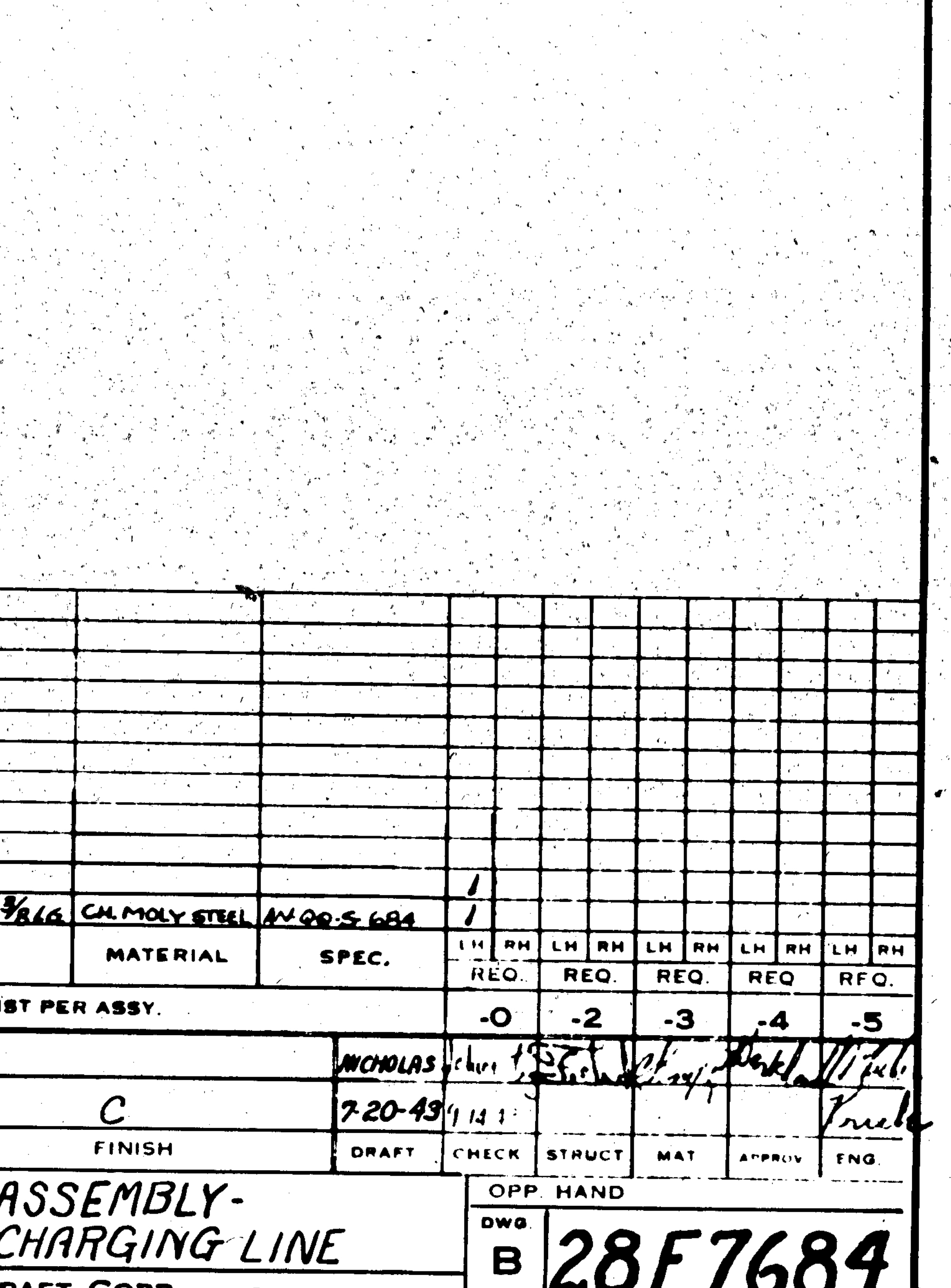
MCR #539
C#NOa(S)464

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
-0	PBY-5A	28F6633	1
-0	PBY-5A	28F6619	1

REQUIREMENTS PER AIRPLANE

REPLACES	.031 CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±.010 & ±1/32	SCALE 12"=1'0" & NOTED

STAMP PART NUMBER WHERE SHOWN



PART No.	STOCK	MATERIAL	SPEC.	-0 LH REQ.	-0 RH REQ.	-2 LH REQ.	-2 RH REQ.	-3 LH REQ.	-3 RH REQ.	-4 LH REQ.	-4 RH REQ.	-5 LH REQ.	-5 RH REQ.
28F7693				1									
-6	3/4 HEX BAR x 1 3/16	CH. MOLY STEEL	AN-QQ-S-684	1									

PARTS LIST PER ASSY.

AC		NICHOLAS					
NAVY NONE	C	7-20-43					
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.

NAME FITTING ASSEMBLY-ACCUMULATOR CHARGING LINE

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

OPP. HAND

DWG SIZE B 28F7684

R -

LET	ALTERATION	DATE	BY

28F7686

15/32 DIA. HOLES(2)

1 1/2

1/2

15/16 — 19/32

1/4

2 1/8

BEND RADII 1/8

MCR # 53A
C# NO.(S) 464

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28F6518	1

REQUIREMENTS PER AIRPLANE

REPLACES — .023 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32

SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 LH	-0 RH	-2 LH	-2 RH	-3 LH	-3 RH	-4 LH	-4 RH	-5 LH	-5 RH
	.051 X 1 5/8 X 2 3/4	ALCLAD	QQ-A-362-T										

PARTS LIST PER ASSY.

[redacted]

AC						
NAVY NONE	2P-GP	NICHOLAS 8-2-43	9-13-43			
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

NAME BRACKET - ACCUMULATOR CHARGING LINE

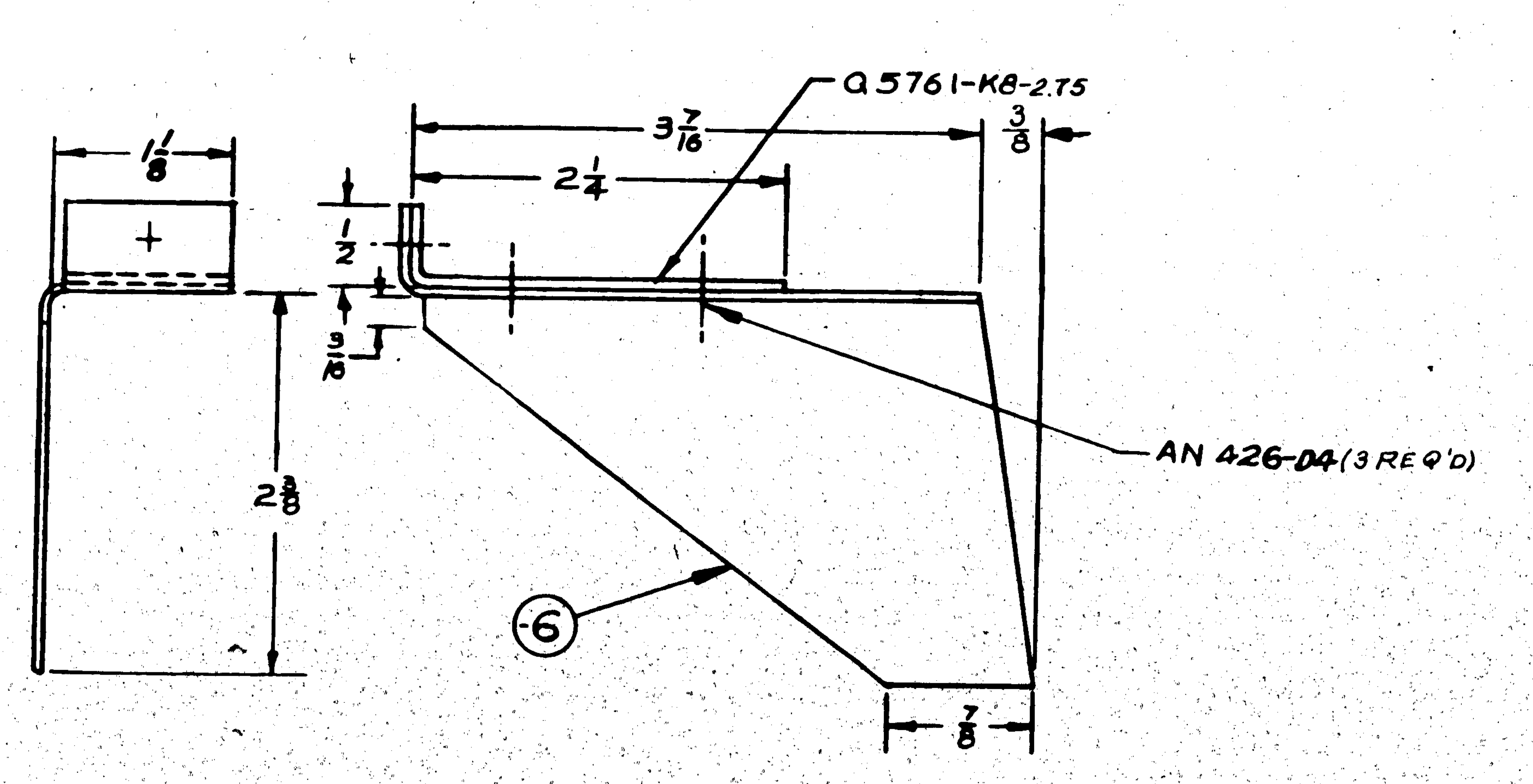
OPP. HAND

DWG. SIZE B — 28F7686

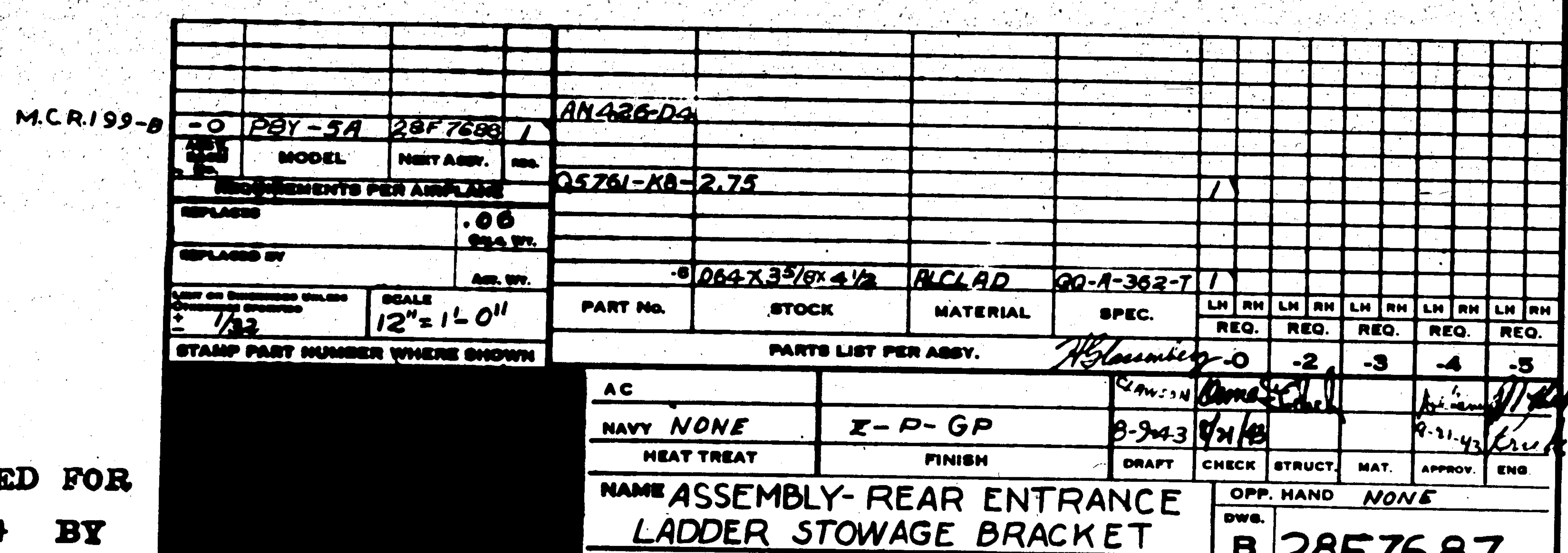
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

APPROVED FOR TOOLING BY Gorsline 9-1-43

R



ALL BEND RADII $\frac{3}{32}$



LET	ALTERATION	DATE	BY

M.C.R.199-B

DASH NO.	MODEL	NEXT ASSY.	REQ.
-0	PBY-5A	28F7688	1

REQUIREMENTS PER AIRPLANE

REPLACES .06 CALC. WT.

REPLACED BY ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32

SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
AN426-D4								
Q5761-K8-2.75				1				
-6	.064 X 3 5/8 X 4 1/2	ALCLAD	QQ-A-362-T	1				

PARTS LIST PER ASSY.

AC							
NAVY NONE	Z-P-GP	Clawson 8-9-43	8/21/43			8-21-43	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

NAME ASSEMBLY- REAR ENTRANCE LADDER STOWAGE BRACKET

OPP. HAND NONE

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG. SIZE B 28F7687

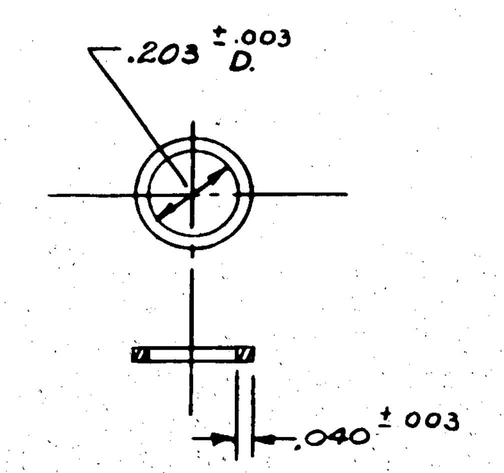
APPROVED FOR TOOLING BY Garsline 8-18-43

28F7687

R

LET	ALTERATION	DATE	BY

28F7693



MCR 53A & ON
C-NO a (S) 464

APPROVED FOR TOOLING BY
Gorsline 9-1-43

ASSY. DASH No	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28F7683	2
	PBY-5A	28F7684	2

REQUIREMENTS PER AIRPLANE

REPLACES — .001 CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
SCALE 24" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	LH REQ. -0	RH REQ. -0	LH REQ. -2	RH REQ. -2	LH REQ. -3	RH REQ. -3	LH REQ. -4	RH REQ. -4	LH REQ. -5	RH REQ. -5
	.031 x 5/16 x 5/16 SHT.	SYN. RUBBER	AN-HH-P-114 CLASS B										

PARTS LIST PER ASSY.

		DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.
AC		NICHOLAS 8-14-43	9-13-43				
NAVY NONE	NONE						
HEAT TREAT	FINISH						

THIS PART MAY BE PURCHASED FROM KIRKHILL RUBBER CO.,

RING SHALL PUSH ROLL OVER A MANDREL OF 9/32 DIAM. WITHOUT TAKING A PERMANENT SET

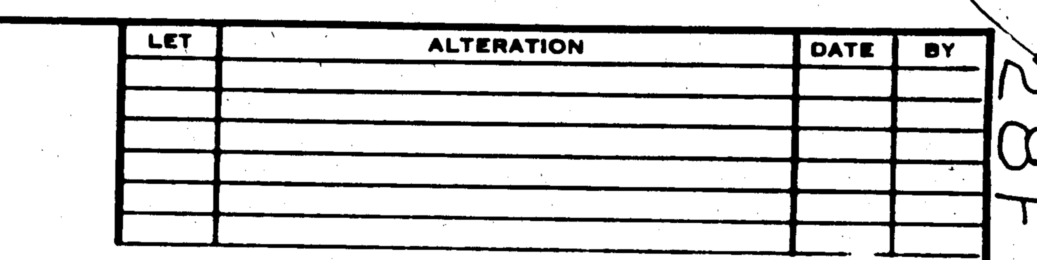
NAME RING - ACCUMULATOR CHARGING LINE SEALING

OPP. HAND

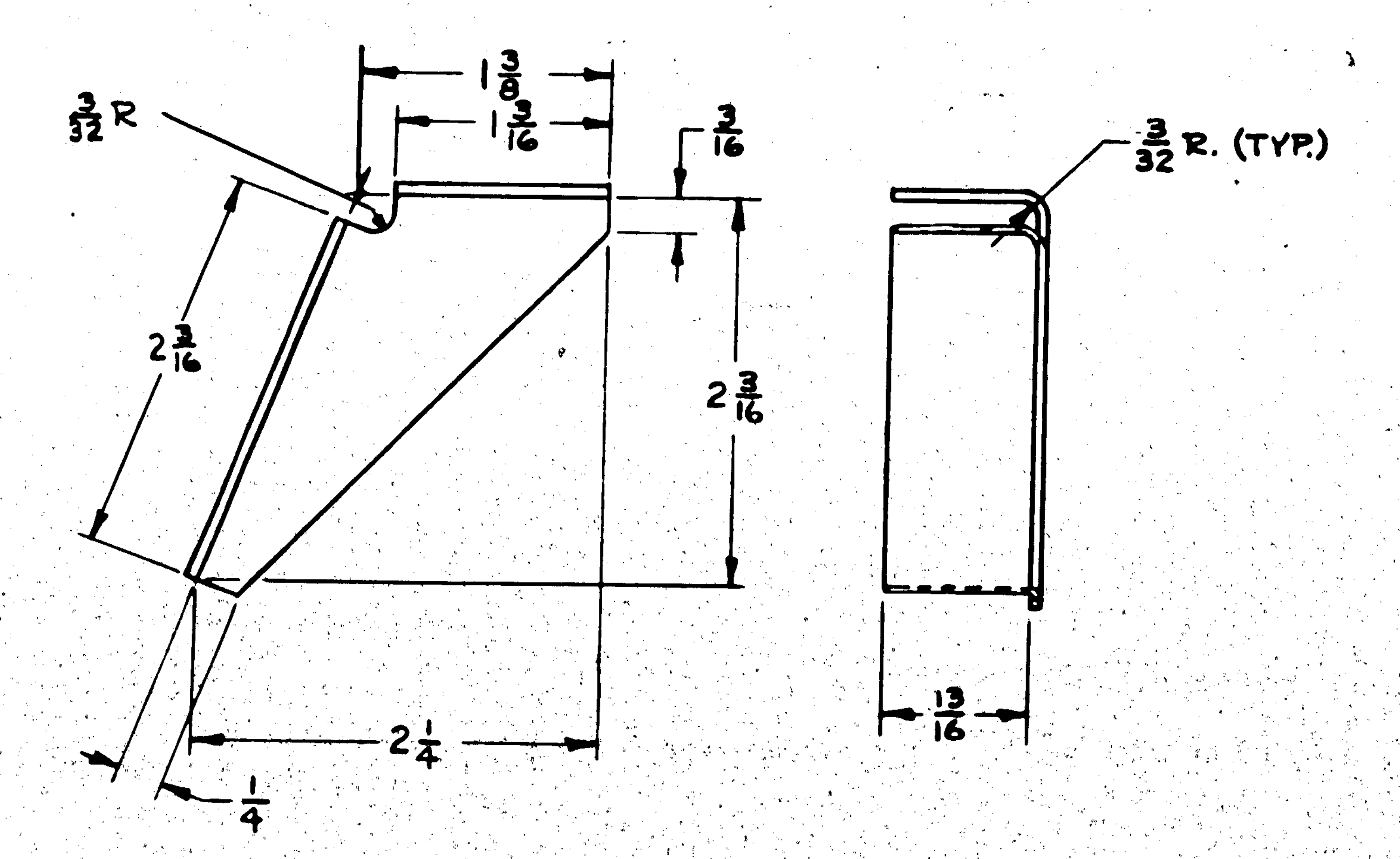
DWG. SIZE B 28F7693

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R



28F7707



MCR 272A-1

PBY-5A	28F7699	2
MODEL	NEXT ASSY.	REQ

ASSY. DASH NO

REQUIREMENTS PER AIRPLANE

REPLACES	.03# CALC. WT.
REPLACED BY	ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.
	.064 × 3 1/8 × 3 1/4	AL. AL. SHEET	47A10-T

PARTS LIST PER ASSY.

LH RH REQ. -0 · -2 · -3 · -4 · -5

AC

NAVY NONE — HEAT TREAT

2-P-GP — FINISH

HYMER 9-10-43 — DRAFT · CHECK · STRUCT. · MAT. · APPROV. · ENG.

NAME BRACKET - BOMBER'S SWITCH & INSTRUMENT PANELS SUPPORT

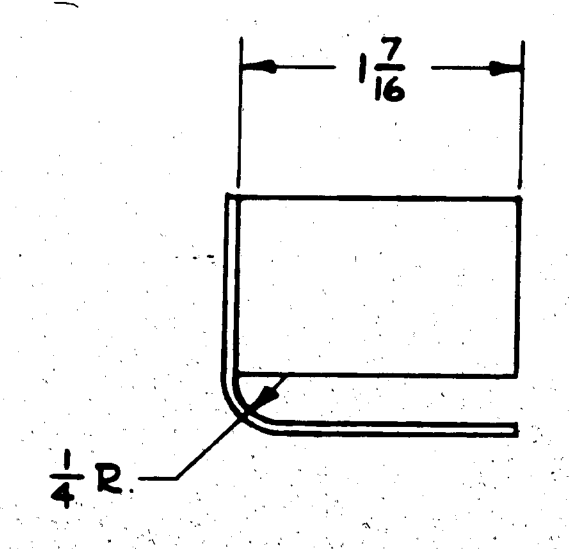
OPP. HAND NONE

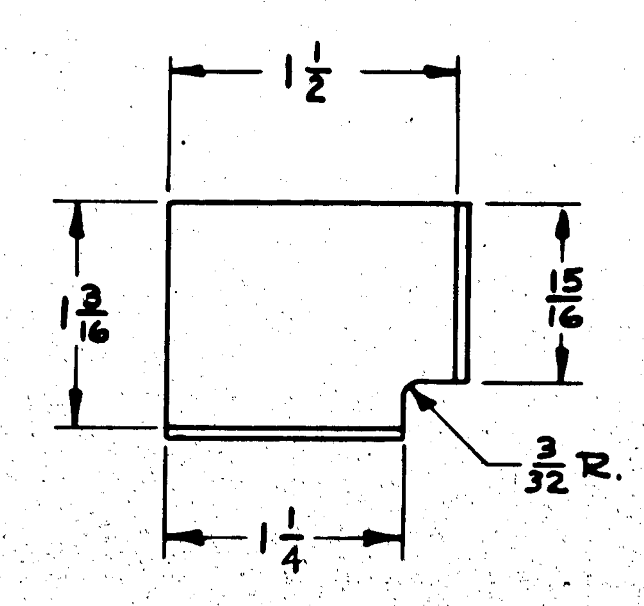
DWG. SIZE B — 28F7707

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

APPROVED FOR TOOLING BY FRUE 9-11-43.

R





LET	ALTERATION	DATE	BY

MCR #272A-1

ASSY. DASH NO	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28F7699	1

REQUIREMENTS PER AIRPLANE

REPLACES — .04# CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 REQ. LH	-0 REQ. RH	-2 REQ. LH	-2 REQ. RH	-3 REQ. LH	-3 REQ. RH	-4 REQ. LH	-4 REQ. RH	-5 REQ. LH	-5 REQ. RH
	.064 × 2 3/4 × 3 1/4	AL.AL. SHEET	47A10-T										

PARTS LIST PER ASSY.

AC		HYMER 9-10-43					
NAVY NONE	E - P - GP						
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT	APPROV	ENG.

OPP. HAND NONE

NAME BRACKET - BOMBER'S INSTRUMENT PANEL SUPPORT

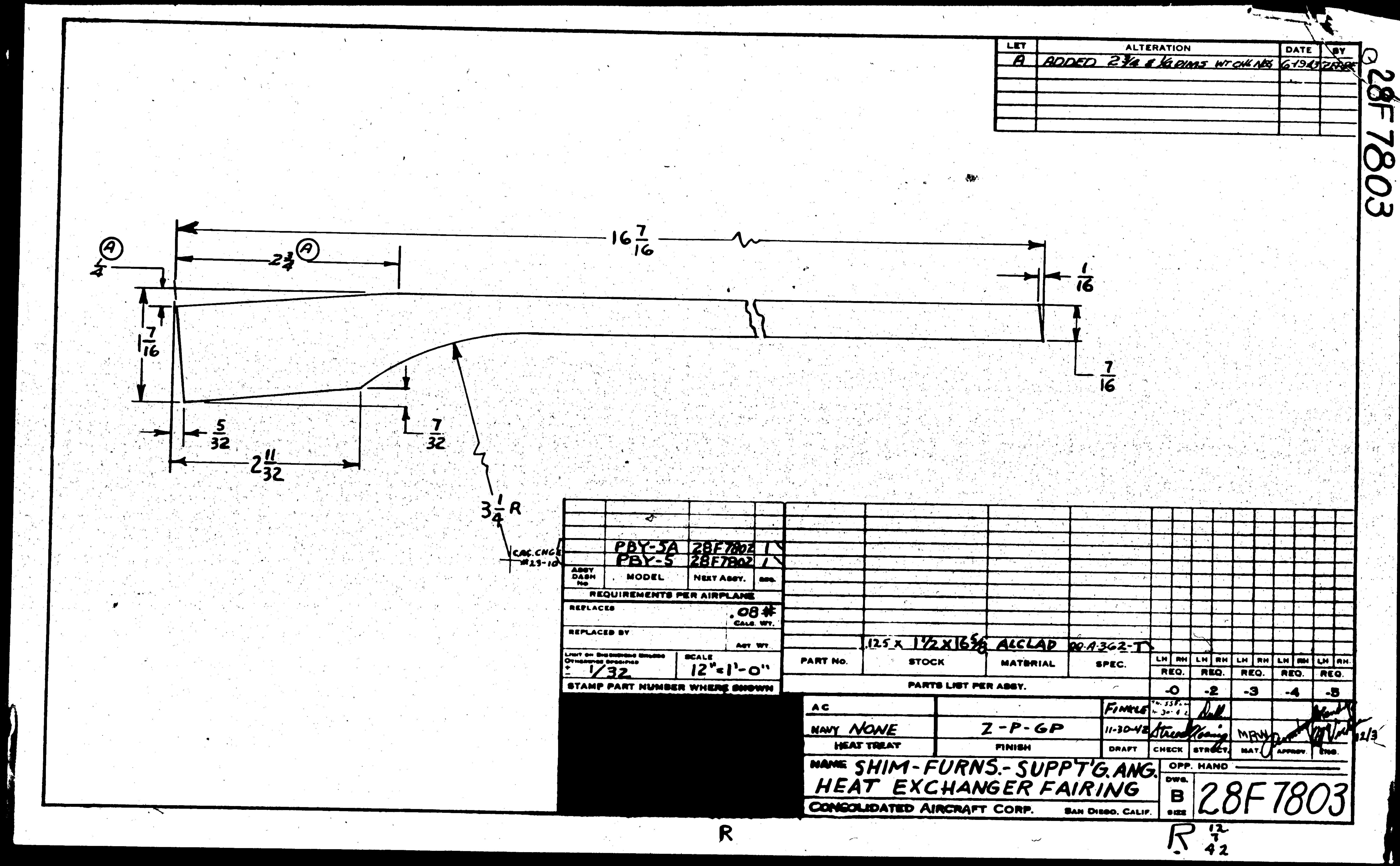
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

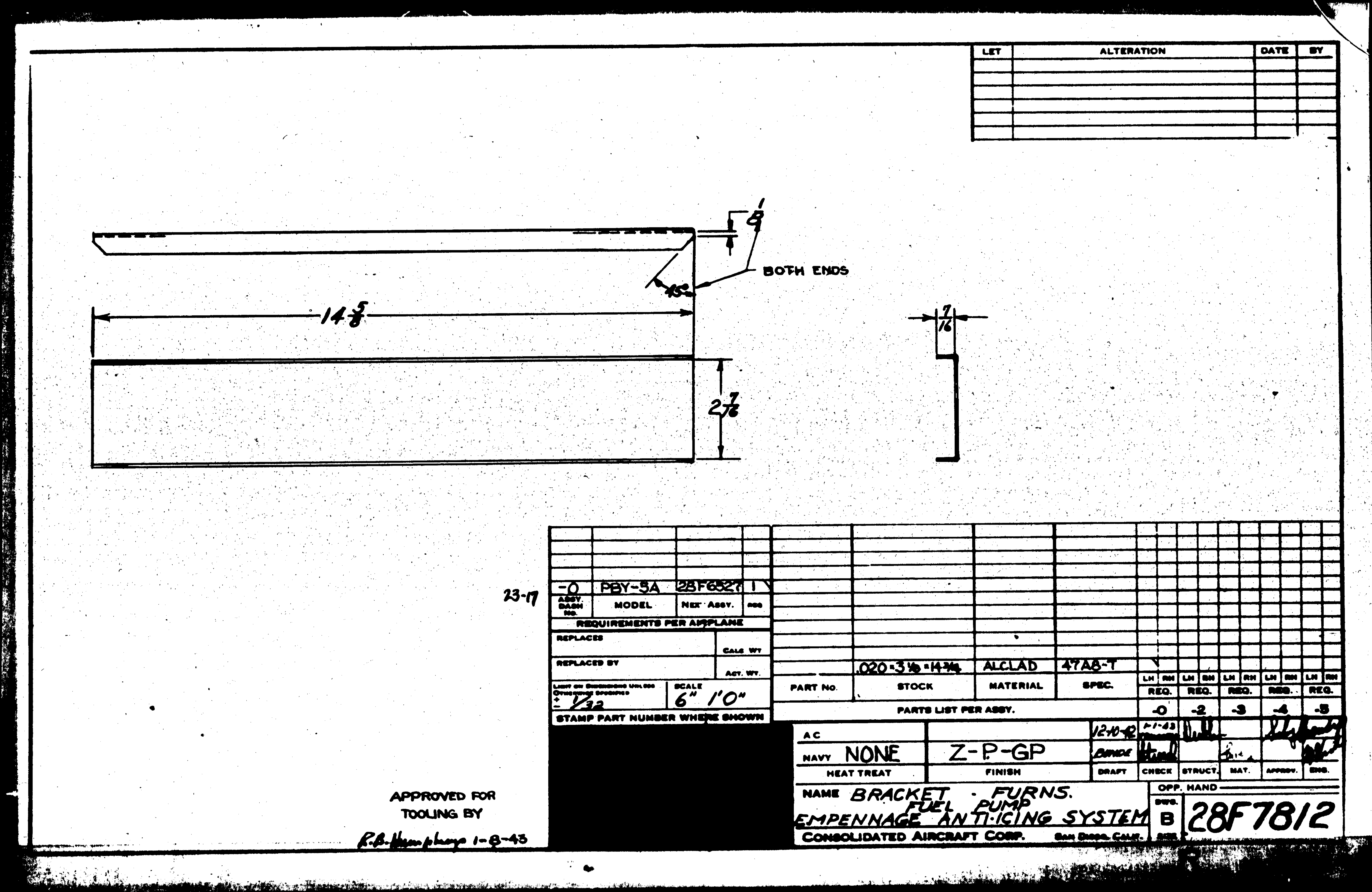
DWG. SIZE B — 28F7708

R

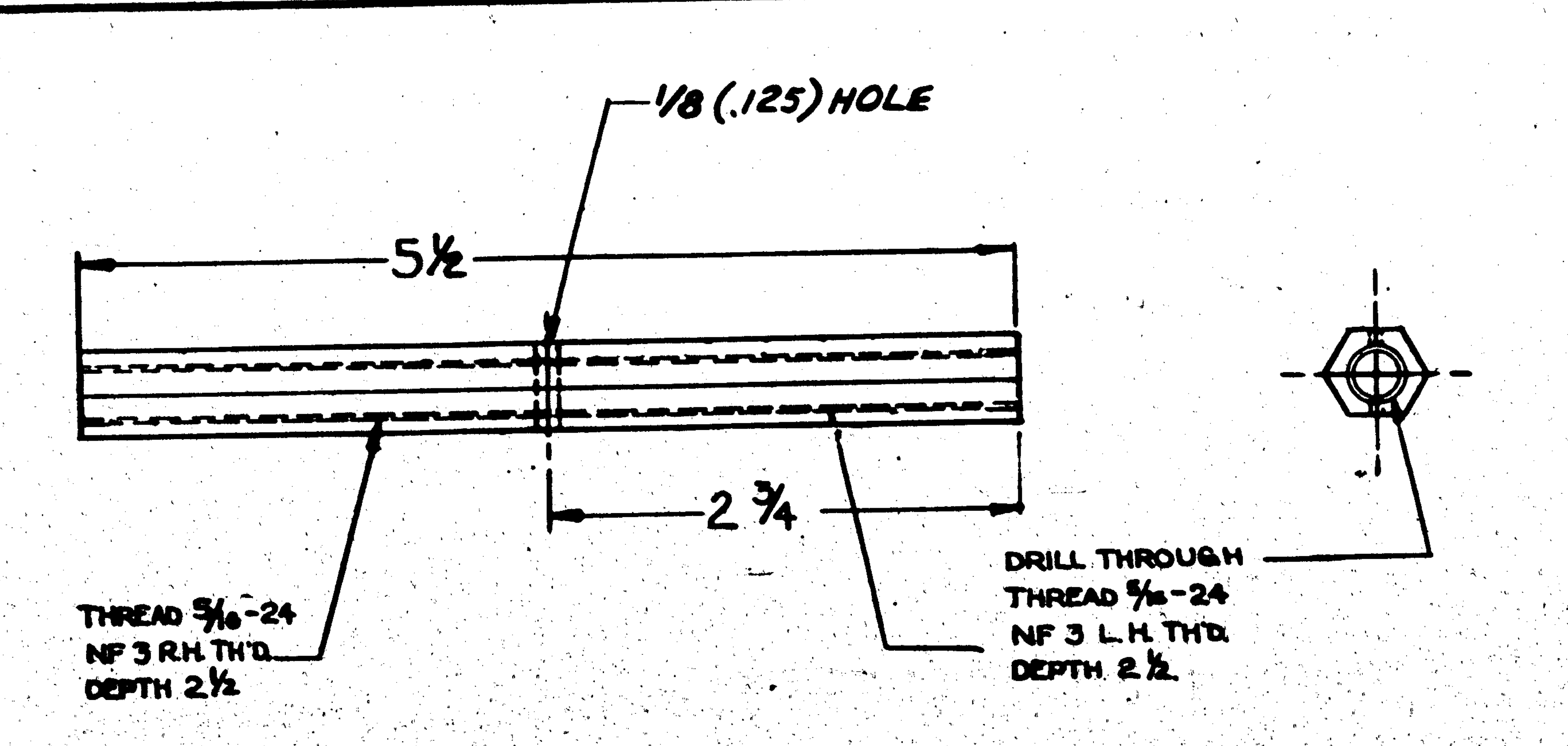
APPROVED FOR TOOLING BY [signature] 9/11-43

28F7708


28F7803
LET
ALTERATION
DATE
BY
A
ADDED 2 3/4 & 1/4 DIMS
16 7/16
2 3/4 (A)
1/4 (A)
1/16
1 7/16
7/16
5/32
7/32
2 11/32
3 1/4 R
PBY-5A
28F7802
PBY-5
28F7802
ASSY DASH No
MODEL
NEXT ASSY.
REQUIREMENTS PER AIRPLANE
REPLACES
.08 #
CALC. WT.
REPLACED BY
ACT. WT.
± 1/32
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.125 x 1 1/2 x 16 5/8
ALCLAD
QQ-A-362-T
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ.
PARTS LIST PER ASSY.
-0
-2
-3
-4
-5
AC
NAVY NONE
HEAT TREAT
Z-P-GP
FINISH
11-30-42
DRAFT
CHECK
STRESS
MAT.
APPROV.
ENG.
NAME SHIM-FURNS.-SUPP'T'G. ANG.
HEAT EXCHANGER FAIRING
OPP. HAND
DWG. SIZE
B
28F7803
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
R



LET
ALTERATION
DATE
BY
1/8
BOTH ENDS
45°
14 5/8
7/16
2 7/16
23-17
-0
PBY-5A
28F6527
1
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
CALC WT
REPLACED BY
ACT. WT.
± 1/32
SCALE
6" 1'0"
STAMP PART NUMBER WHERE SHOWN
.020 x 3 1/8 x 14 3/4
ALCLAD
47A8-T
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
-0 -2 -3 -4 -5
PARTS LIST PER ASSY.
AC
NAVY NONE
Z-P-GP
HEAT TREAT
FINISH
12-10-42
1-1-43
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
OPP. HAND
NAME BRACKET - FURNS. FUEL PUMP
EMPENNAGE ANTI-ICING SYSTEM
DWG. SIZE B
28F7812
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
APPROVED FOR TOOLING BY
R.B. Humphreys 1-8-43



LET	ALTERATION	DATE	BY
A	IN 5/16 FOR H.T. REPLACED "NONE" WITH "120,000 TO 145,000 #/□", REMOVED "COND. E-4" FROM SPEC. NO WT. CHG.	[illegible]	[illegible]

CAC CHG. #23-10

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28F7811	2
	PBY-5	28F7811	2

REQUIREMENTS FOR AIRPLANE

REPLACES	.008# CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.
	1/2 HEX BAR × 5 1/2	CHROME MOLY	AN-QQ-S-684

PARTS LIST FOR ASSY.

LH	RH	LH	RH	LH	RH	LH	RH	LH	RH
REQ.		REQ.		REQ.		REQ.		REQ.	
-0		-2		-3		-4		-5	

AC NAVY 120,000 TO 145,000 #/□	C	[illegible] 12-26-[illegible]	[illegible]	4	[illegible]	[illegible]	[illegible]
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT.	APPROV.	ENG.

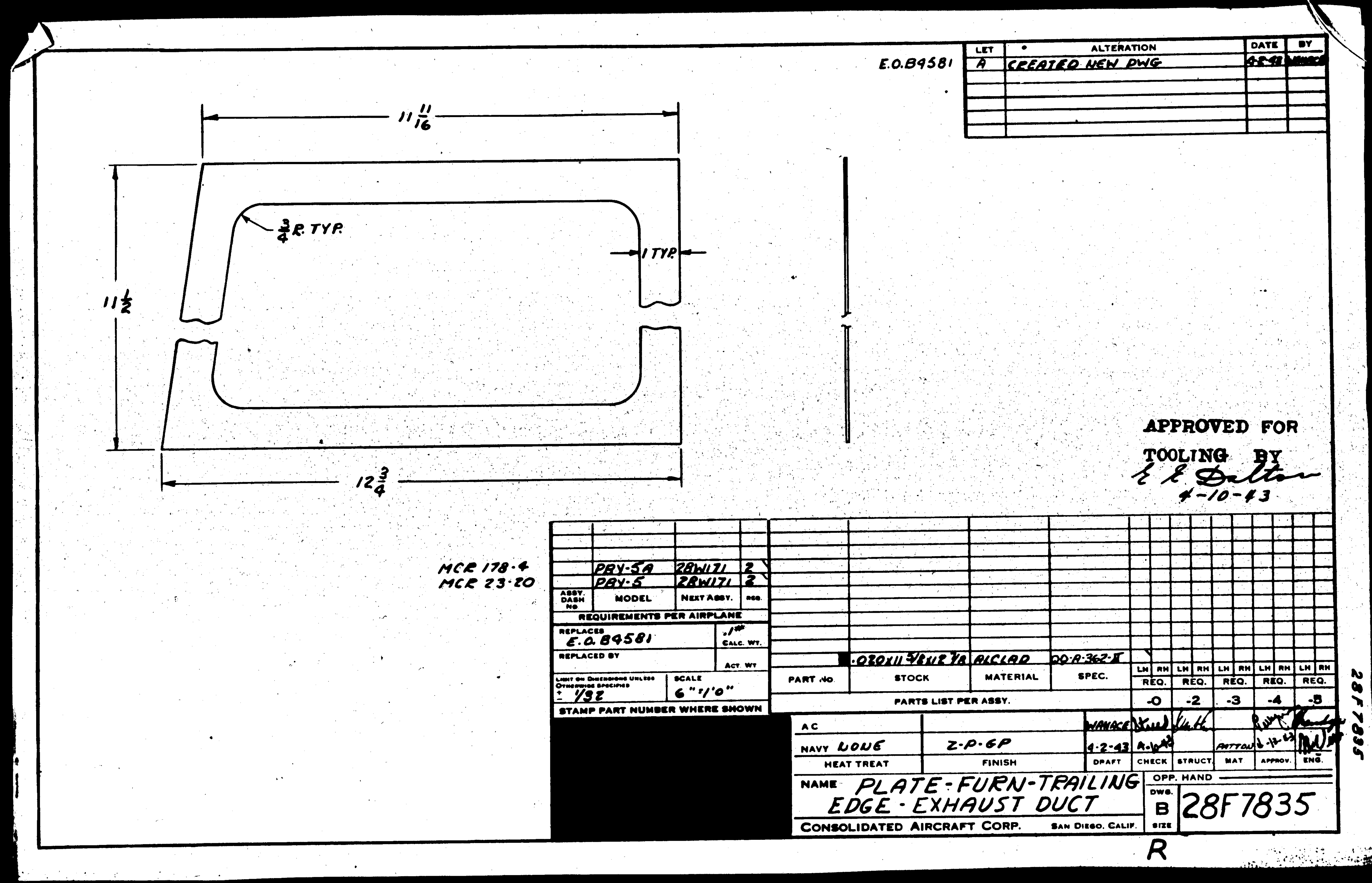
NAME FITTING - FURNS. - ANTHCING DOOR ACTUATOR LINK

OPP. HAND NONE

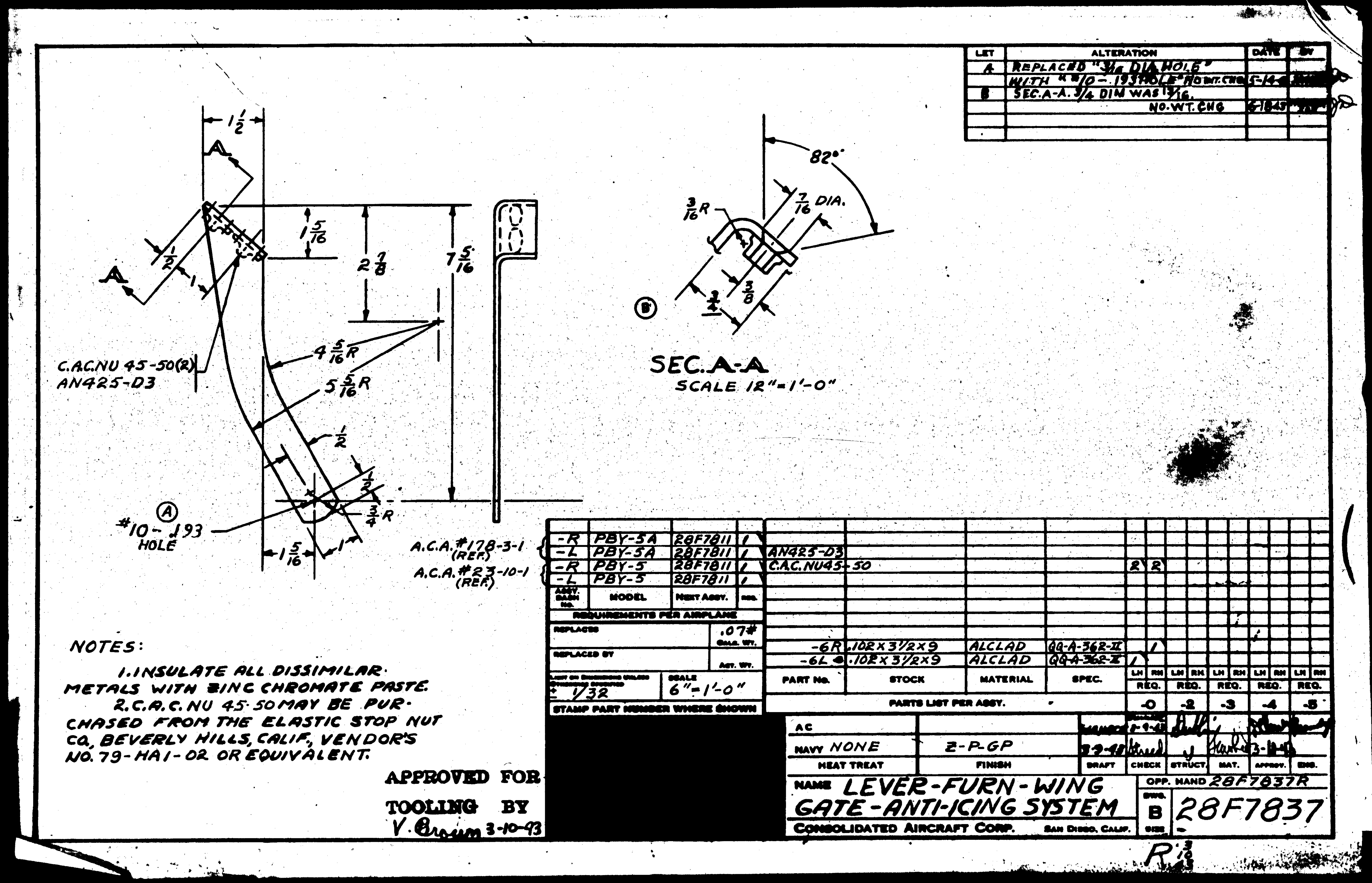
DWG. SIZE B 28F7816

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

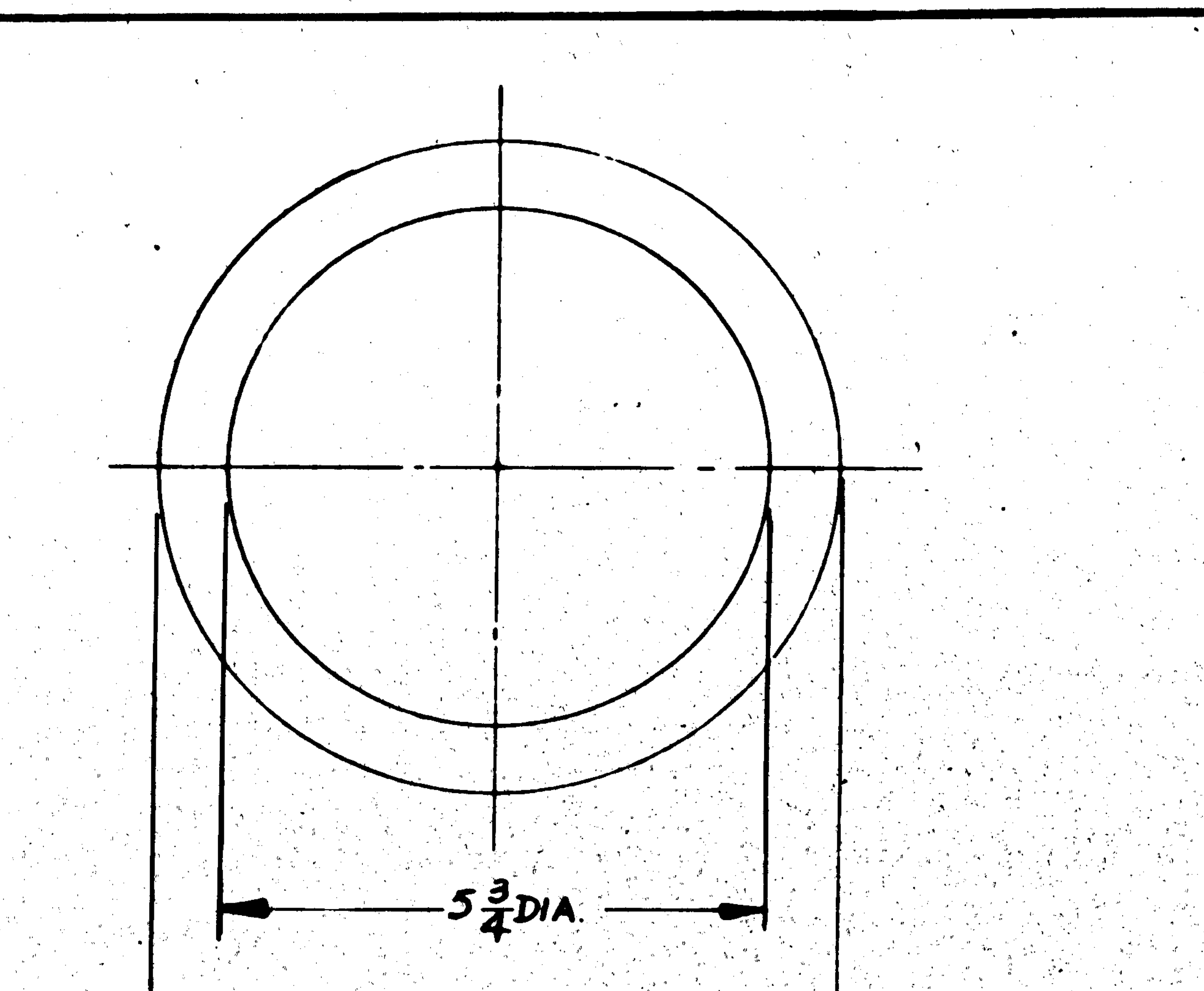
APPROVED FOR TOOLING BY
R.B. [illegible] 12-26-42



E.O.B4581
LET
ALTERATION
DATE
BY
A
CREATED NEW DWG
11 11/16
3/4 R. TYP.
1 TYP.
11 1/2
12 3/4
APPROVED FOR TOOLING BY
4-10-43
MCR 178-4
MCR 23-20
PBY-5A
28W171
2
PBY-5
28W171
2
ASSY. DASH No
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
E.O. B4581
CALC. WT.
REPLACED BY
ACT. WT
SCALE
6" = 1'0"
± 1/32
STAMP PART NUMBER WHERE SHOWN
.020X11 5/8X12 7/8
ALCLAD
QQ-A-362-II
PART No.
STOCK
MATERIAL
SPEC.
LH
RH
REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
AC
NAVY NONE
Z-P-6P
HEAT TREAT
FINISH
WANACE
4-2-43
DRAFT
CHECK
STRUCT.
MAT
APPROV.
ENG.
NAME PLATE-FURN-TRAILING EDGE-EXHAUST DUCT
OPP. HAND
DWG. B SIZE
28F7835
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
R
28F7835



LET | ALTERATION | DATE | BY
A | REPLACED "3/16 DIA HOLE" WITH "#10-.193 HOLE" NO WT. CHG | 5-14-
B | SEC. A-A. 3/4 DIM WAS 13/16. NO. WT. CHG | 6-18-43
1 1/2
A
A
1/2
1
1 5/16
2 7/8
7 5/16
4 5/16 R
5 5/16 R
C.A.C. NU 45-50 (2)
AN425-D3
1/2
1/2
3/4 R
Ⓐ
#10-.193 HOLE
1 5/16
1"
82°
3/16 R
7/16 DIA.
3/8
1/4
Ⓑ
SEC. A-A
SCALE 12" = 1'-0"
A.C.A. #178-3-1 (REF.)
A.C.A. #23-10-1 (REF.)
-R | PBY-5A | 28F7811 | 1
-L | PBY-5A | 28F7811 | 1
-R | PBY-5 | 28F7811 | 1
-L | PBY-5 | 28F7811 | 1
ASSY. DASH No. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
AN425-D3
C.A.C. NU45-50 | 2 | 2
-6R | .102 X 3 1/2 X 9 | ALCLAD | QQ-A-362-II | 1
-6L | .102 X 3 1/2 X 9 | ALCLAD | QQ-A-362-II | 1
PART No. | STOCK | MATERIAL | SPEC. | LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
PARTS LIST PER ASSY.
REPLACES | .07# CALC. WT.
REPLACED BY | ACT. WT.
± 1/32
SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
AC
NAVY NONE
Z-P-GP
HEAT TREAT | FINISH | DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
NAME LEVER-FURN-WING GATE-ANTI-ICING SYSTEM
OPP. HAND 28F7837R
DWG. SIZE B
28F7837
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
NOTES:
1. INSULATE ALL DISSIMILAR METALS WITH ZINC CHROMATE PASTE.
2. C.A.C. NU 45-50 MAY BE PURCHASED FROM THE ELASTIC STOP NUT CO., BEVERLY HILLS, CALIF., VENDOR'S NO. 79-HA1-02 OR EQUIVALENT.
APPROVED FOR TOOLING BY
V. Brown 3-10-43
R 3/10/43



CONT #91876 #91 4 ON

LET	ALTERATION	DATE	BY

APPROVED FOR TOOLING BY E. E. Dalton 6-7-43

ASSY DASH No	MODEL	NEXT ASSY.	REQ.
	PBY-5	28F6837	1

REQUIREMENTS PER AIRPLANE

REPLACES 28F6837-12 — .01 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
	CAC #AS-2 1/16X7 1/4X7 1/4	ASBESTOS	COMM.					

PARTS LIST PER ASSY.

AC		DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.
NAVY NONE	NONE	LINN 5-11-43	5-27-43			6-7-43	
HEAT TREAT	FINISH						

NAME GASKET—FURNISHINGS CENTRAL HEATING SYSTEM

OPP. HAND

DWG. SIZE B — 28F7839

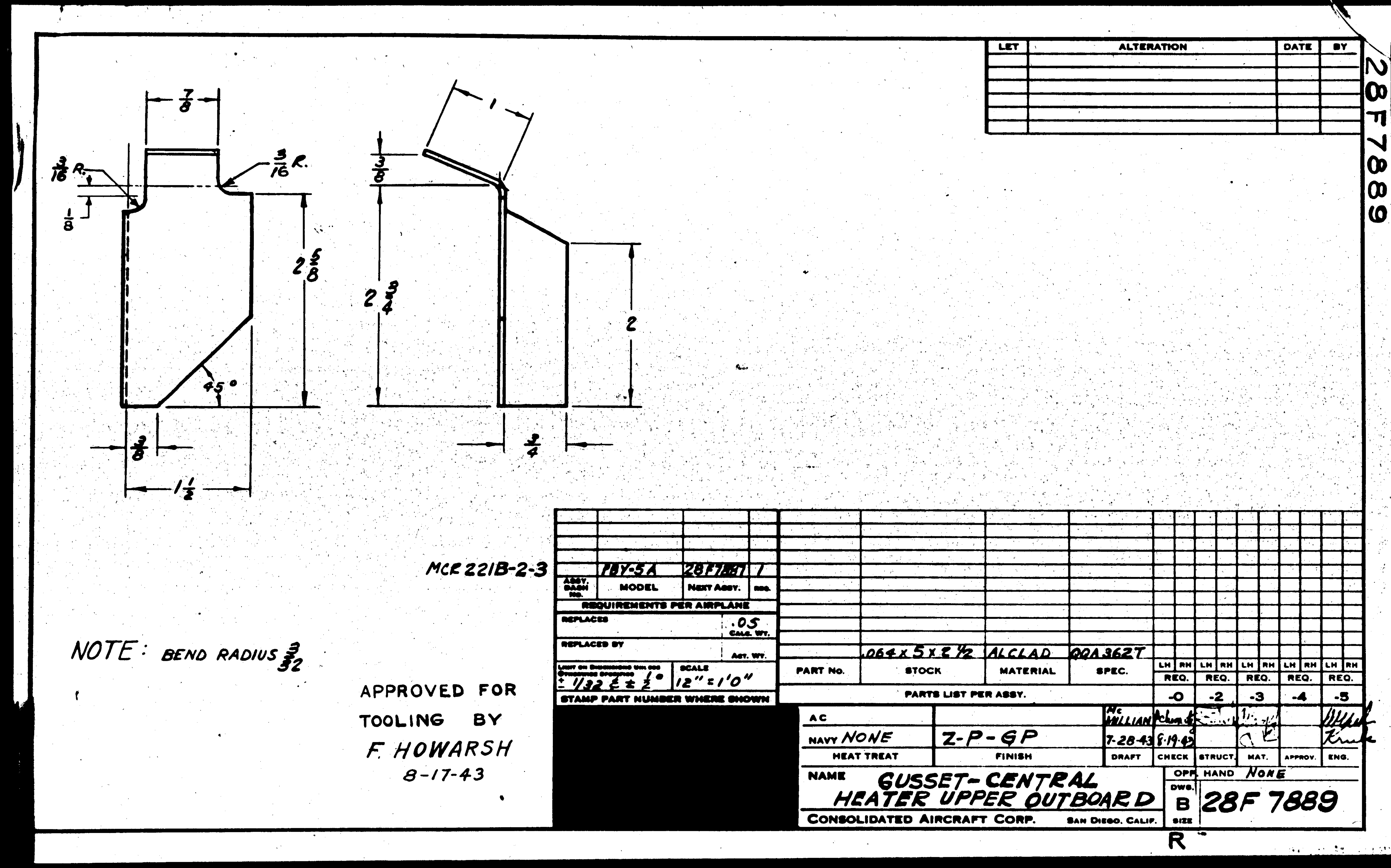
CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.

NOTE
CAC #AS-2 VENDOR #912
MAY BE PURCHASED FROM
JOHNS-MANVILLE CORP.
LOS ANGELES, CALIF.

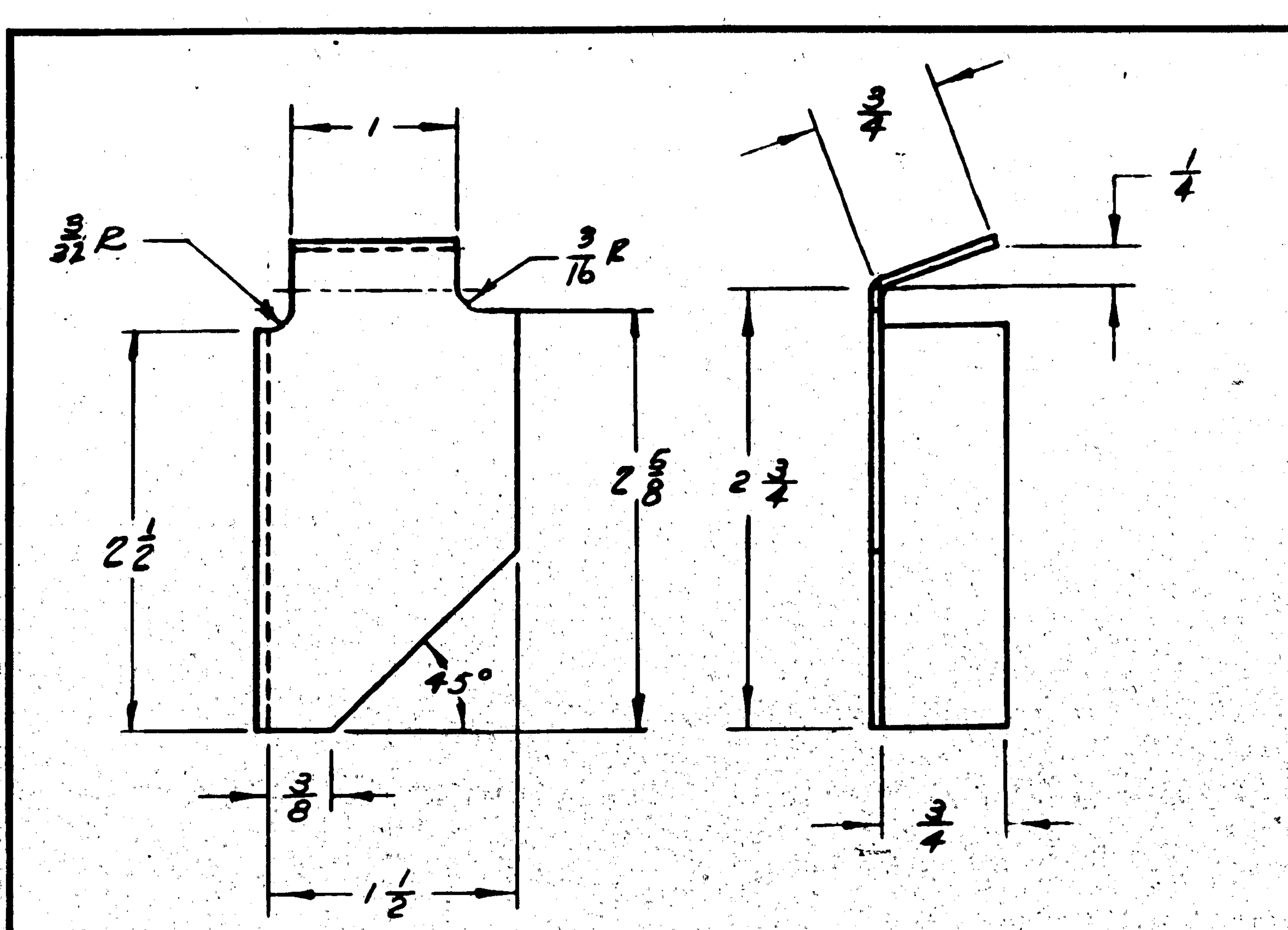
28F7839

R

Smith 7/1/43



28F7889
LET | ALTERATION | DATE | BY
7/8
3/16 R.
3/16 R.
1/8
2 5/8
45°
3/8
1 1/2
1
3/8
2 3/4
2
3/4
MCR 221B-2-3
PBY-5A
28F7887 1
ASSY. DASH No. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.05 CALC. WT.
REPLACED BY
ACT. WT.
SCALE 12" = 1'0"
± 1/32 ∠ ± 1/2°
STAMP PART NUMBER WHERE SHOWN
.064 x 5 x 2 1/2 | ALCLAD | QQA362T
PART No. | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
PARTS LIST PER ASSY.
NOTE: BEND RADIUS 3/32
APPROVED FOR TOOLING BY F HOWARSH 8-17-43
AC
NAVY NONE
Z-P-GP
HEAT TREAT | FINISH
McWILLIAN 7-28-43 | 8-19-43
DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
NAME GUSSET-CENTRAL HEATER UPPER OUTBOARD
OPP. HAND NONE
DWG. SIZE B
28F 7889
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R



LET	ALTERATION	DATE	BY

28F7890

M.C.R. 2218-2-3

ASSY. DASH No.	MODEL	NEXT ASSY	REQ.
	PBY-5A	28F7886	1

REQUIREMENTS PER AIRPLANE

REPLACES	.04 CALC. WT.
REPLACED BY	ACT WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 & ± 1/2°	SCALE. 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	LH REQ. -0	RH REQ. -0	LH REQ. -2	RH REQ. -2	LH REQ. -3	RH REQ. -3	LH REQ. -4	RH REQ. -4	LH REQ. -5	RH REQ. -5
	.064 X 3 5/8 X 2 1/2	ALCLAD	QQA362-T										

PARTS LIST PER ASSY.

AC		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY NONE	Z-P-GP	7-30-43	8-19-43			8-31-43	
HEAT TREAT	FINISH						

NAME GUSSET - CENTRAL HEATER SUPPORT UPPER INBOARD

OPP. HAND NONE

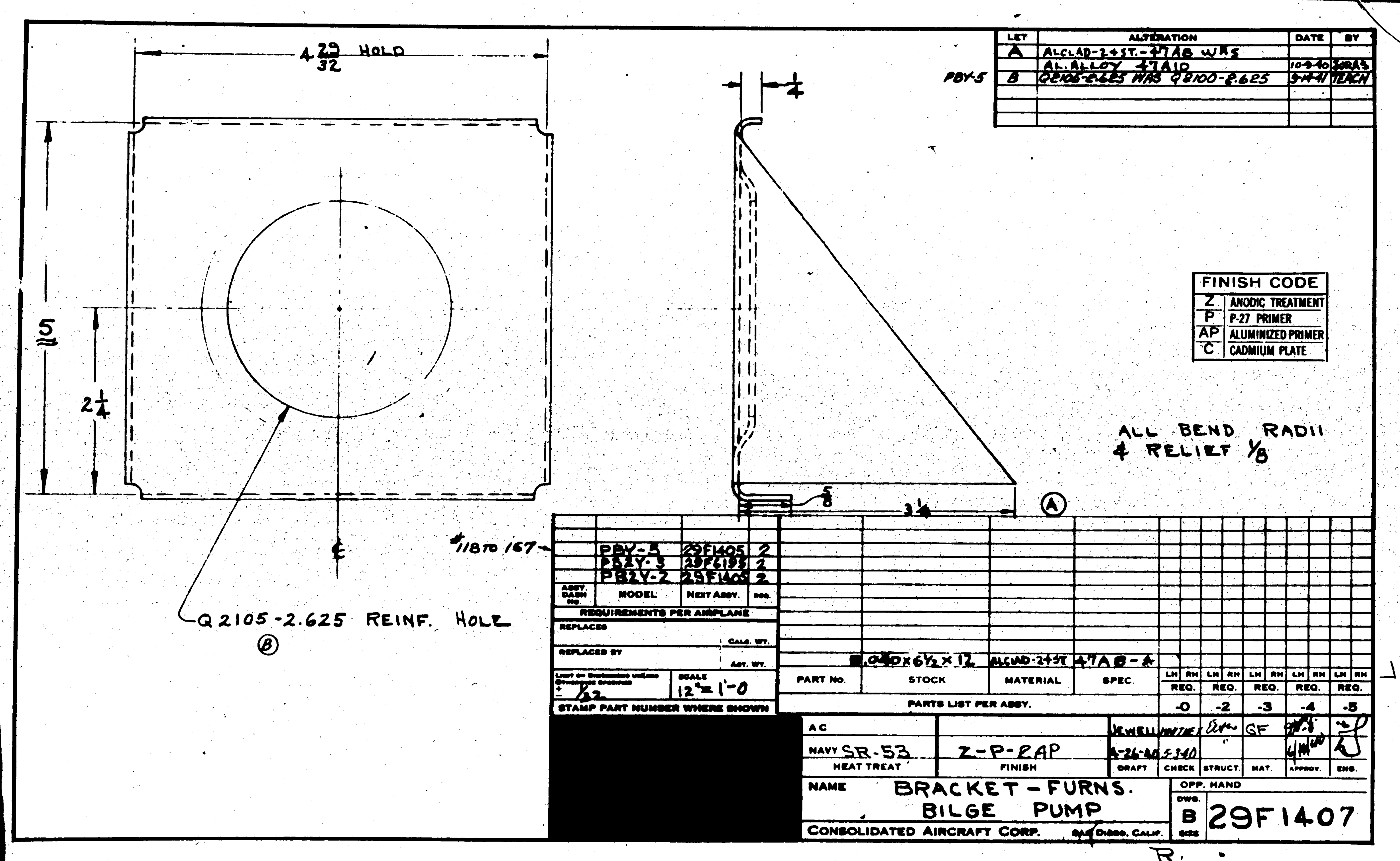
DWG. SIZE B 28F7890

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

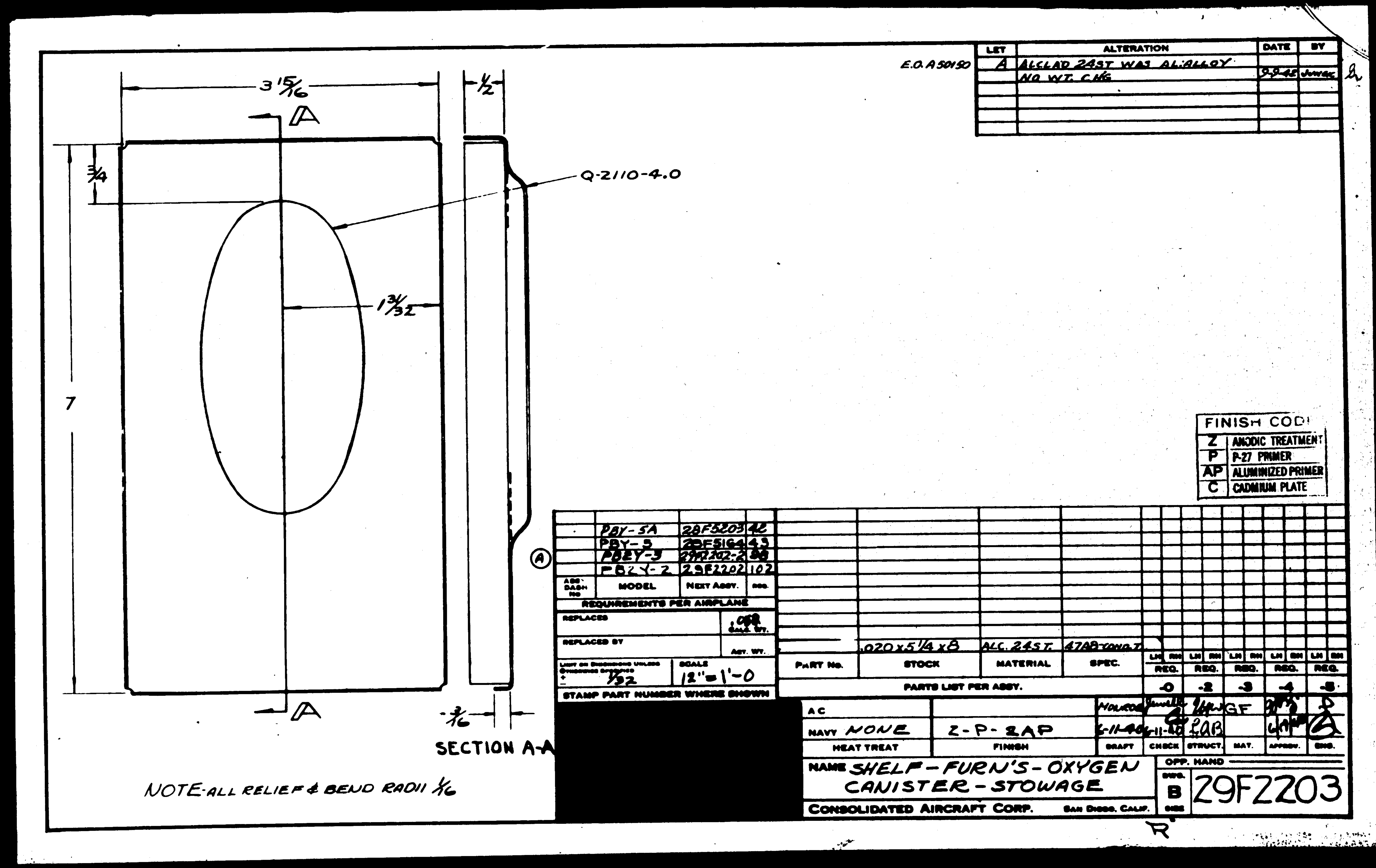
R

NOTE: BEND RADIUS 3/32

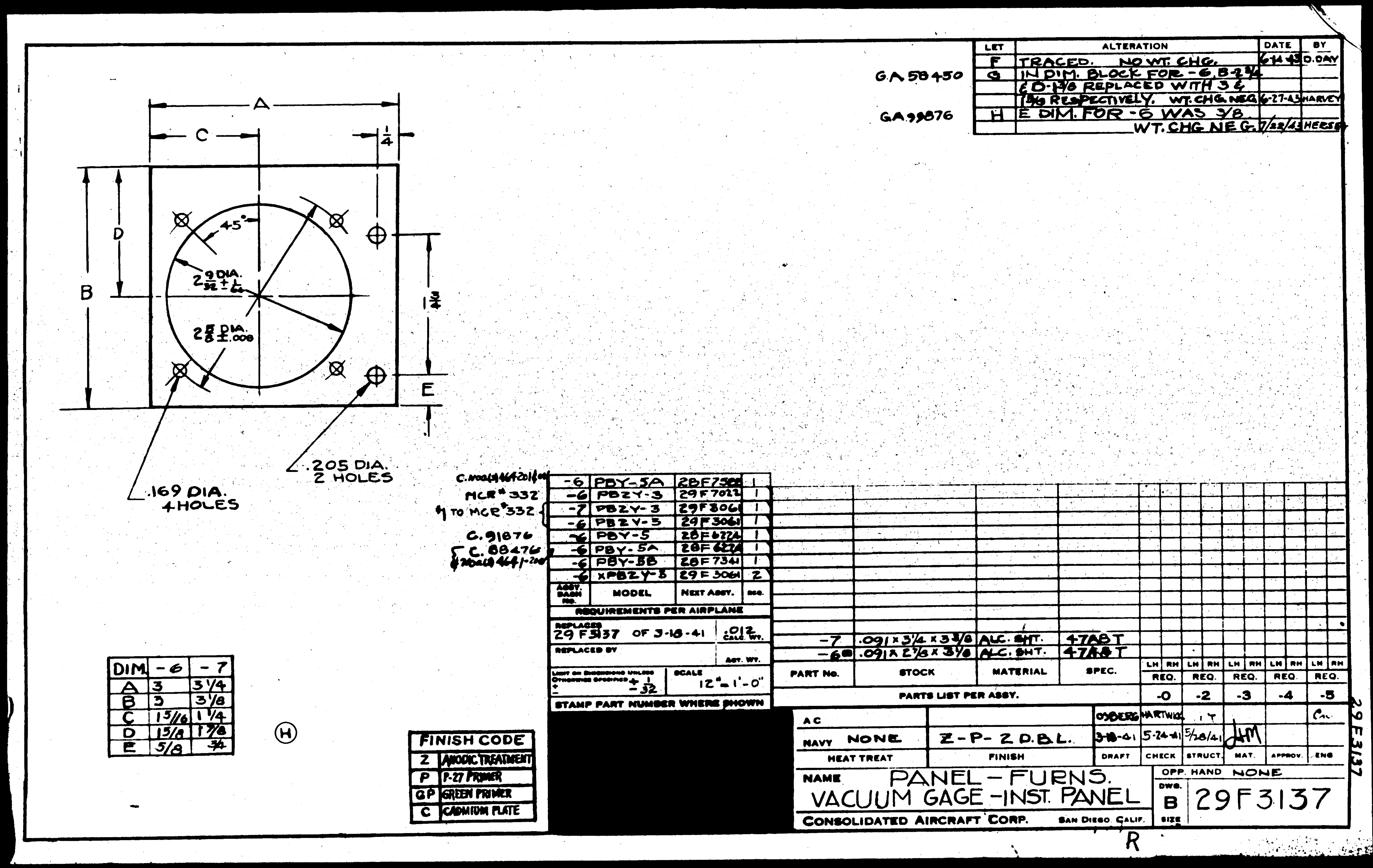
APPROVED FOR TOOLING BY F. HOWARTH 8-17-43.



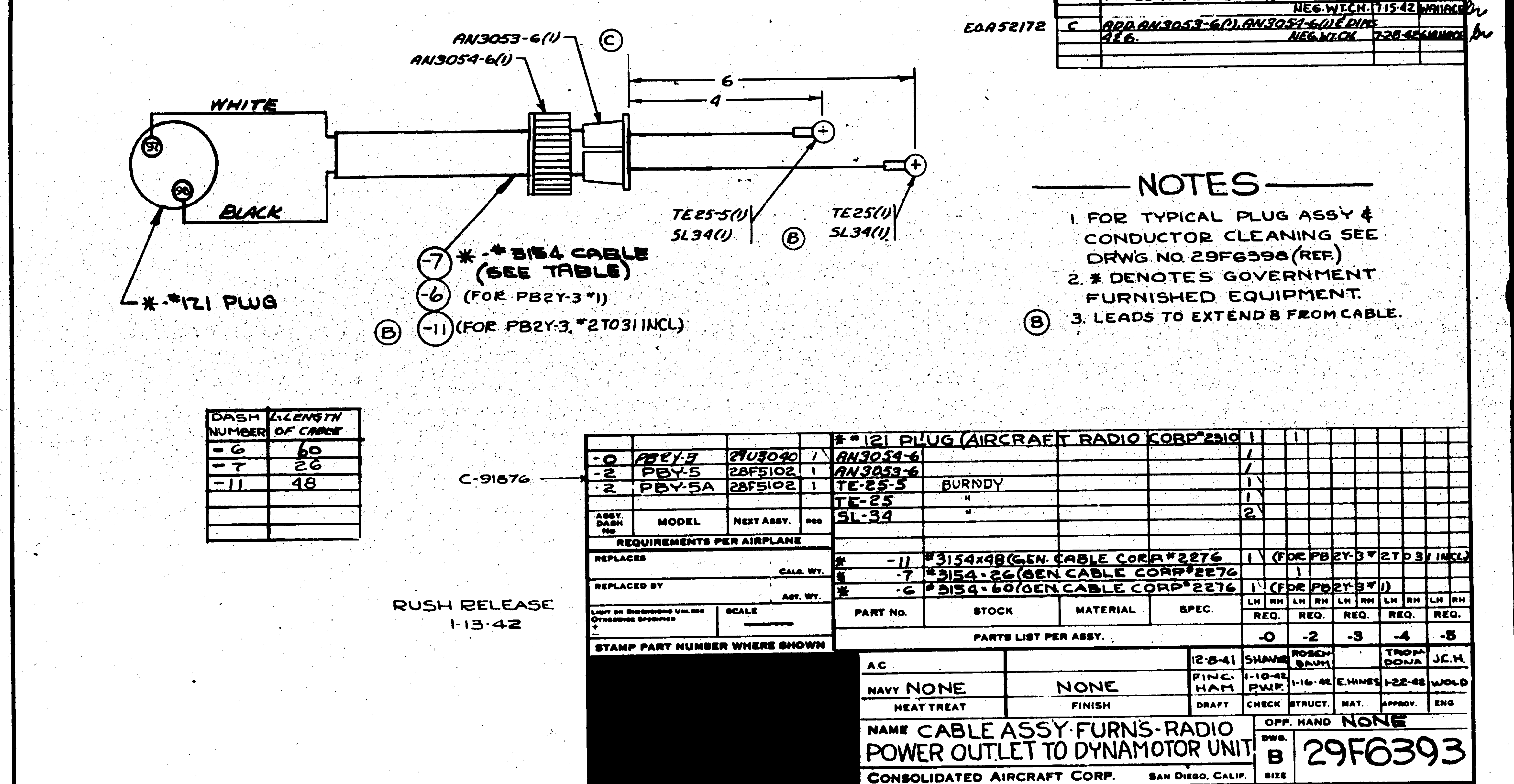
LET | ALTERATION | DATE | BY
A ALCLAD-24ST.-47AB WAS AL. ALLOY 47A1D 10-9-40
PBY-5 B Q2105-2.625 WAS Q2100-2.625 9-14-41
4 29/32 HOLD
5
2 1/4
Q2105-2.625 REINF. HOLE
B
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
ALL BEND RADII & RELIEF 1/8
5/8
3 1/4
A
#118 TO 167
PBY-5 29F1405 2
PB2Y-3 29F6193 2
PB2Y-2 29F1405 2
ASSY. DASH No. MODEL NEXT ASSY. REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
SCALE 12" = 1'-0
± 1/32
STAMP PART NUMBER WHERE SHOWN
.040 x 6 1/2 x 12 ALCLAD-24ST 47AB-A
PART No. STOCK MATERIAL SPEC.
LH RH REQ. -0 -2 -3 -4 -5
PARTS LIST PER ASSY.
AC
NAVY SR-53
HEAT TREAT
Z-P-2AP
FINISH
DRAFT CHECK STRUCT. MAT. APPROV. ENG.
NAME BRACKET - FURNS. BILGE PUMP
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP. HAND
DWG. SIZE B 29F1407



E.O. A50150
LET | ALTERATION | DATE | BY
A | ALCLAD 24ST WAS AL.ALLOY NO WT. CHG
3 15/16
1/2
A
3/4
Q-2110-4.0
1 31/32
7
A
3/16
SECTION A-A
NOTE-ALL RELIEF & BEND RADII 1/16
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
PBY-5A 28F5203 42
PBY-5 28F5164 43
PB2Y-2 29F2202 102
ASS'Y DASH No | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
1/32
SCALE 12" = 1'-0
STAMP PART NUMBER WHERE SHOWN
.020 x 5 1/4 x 8 | ALC. 24ST. | 47AB
PART No. | STOCK | MATERIAL | SPEC.
LH RH REQ.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
AC
NAVY NONE
Z-P-2AP
HEAT TREAT | FINISH | DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
GF
NAME SHELF-FURN'S-OXYGEN CANISTER-STOWAGE
OPP. HAND
DWG. SIZE B
29F2203
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



LET
ALTERATION
DATE
BY
F TRACED. NO WT. CHG. 6-14-43 D.DAY
G IN DIM. BLOCK FOR -6, B-2 7/8 & D-1 3/8 REPLACED WITH 3 & 1 5/8 RESPECTIVELY. WT. CHG. NEG. 6-27-43 HARVEY
H E DIM. FOR -6 WAS 3/8. WT. CHG. NEG. 7/22/43 HERSEY
G.A 58450
GA 99876
A
C
1/4
D
B
45°
2 9/32 DIA. ± 1/64
2 5/8 DIA. ±.008
1 3/4
E
.169 DIA. 4 HOLES
.205 DIA. 2 HOLES
C. N00(s) 46420 (-00)
MCR# 332
#1 TO MCR# 332
C. 91876
C. 88476
-6 PBY-5A 28F7500 1
-6 PB2Y-3 29F7022 1
-7 PB2Y-3 29F3061 1
-6 PB2Y-3 29F3061 1
-6 PBY-5 28F6224 1
-6 PBY-5A 28F6224 1
-6 PBY-5B 28F7341 1
-6 XPB2Y-3 29F3061 2
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES 29F3137 OF 3-18-41
.012 CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED + 1/32 - 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
-7 .091 x 3 1/4 x 3 3/8 ALC. SHT. 47ABT
-6 .091 x 2 7/8 x 3 1/8 ALC. SHT. 47ABT
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
DIM. -6 -7
A 3 3 1/4
B 3 3 1/8
C 1 5/16 1 1/4
D 1 5/8 1 7/8
E 5/8 3/4
(H)
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
GP GREEN PRIMER
C CADMIUM PLATE
AC
NAVY NONE
Z-P-2 D.B.L.
HEAT TREAT
FINISH
OSBERG 3-18-41
HARTWICK 5-24-41
5/28/41
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NAME PANEL - FURNS. VACUUM GAGE - INST. PANEL
OPP. HAND NONE
DWG. B 29F3137
SIZE
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
29F3137
R



LET	ALTERATION	DATE	BY
A	ADDED 60 FOR LENGTH OF -6. ADDED -6 & 7 TO REPLACE X. IN TABLE ADDED "L = LENGTH OF CABLE. NO WT. CHG.	4/7/42	CARLSON
B	ADDED -11, NOTE #3, & TE-25-5(1) TE-25(1) & SL-34(2), FOR -0 ASSY. NEG. WT. CH.	7-15-42	WALLACE
C	ADD AN3053-6(1), AN3054-6(1) & DIMS 4 & 6. NEG. WT. CH.	7-28-42	WALLACE

E.O. A30996 (A); E.O. A43927 (B); E.O. A52172 (C)

NOTES

1. FOR TYPICAL PLUG ASSY & CONDUCTOR CLEANING SEE DRWG NO. 29F6398 (REF.)
2. * DENOTES GOVERNMENT FURNISHED EQUIPMENT.
3. (B) LEADS TO EXTEND 8 FROM CABLE.

DASH NUMBER	L = LENGTH OF CABLE
-6	60
-7	26
-11	48

ASSY. DASH No	MODEL	NEXT ASSY.	REQ
-0	PB2Y-3	29U3040	1
-2	PBY-5	28F5102	1
-2	PBY-5A	28F5102	1

REQUIREMENTS PER AIRPLANE

PART No.	STOCK	MATERIAL	SPEC.	-0 REQ. LH	-0 REQ. RH	-2 REQ. LH	-2 REQ. RH	-3 REQ.	-4 REQ.	-5 REQ.
*-*121 PLUG (AIRCRAFT RADIO CORP #2310)				1		1				
AN3054-6				1						
AN3053-6				1						
TE-25-5	BURNDY			1						
TE-25	"			1						
SL-34	"			2						
* -11	#3154x48 (GEN. CABLE CORP #2276			1	(FOR PB2Y-3 #2 TO 31 INCL)					
* -7	#3154-26 (GEN. CABLE CORP #2276					1				
* -6	#3154-60 (GEN. CABLE CORP #2276			1	(FOR PB2Y-3 #1)					

PARTS LIST PER ASSY.

REPLACES — CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED + −
SCALE
STAMP PART NUMBER WHERE SHOWN

AC		12-8-41 SHAW	ROSENBAUM		TRONDONA	J.C.H.
NAVY NONE	NONE	FINC-HAM	1-10-42 PWF.	1-16-42	E. HINES	1-22-42	WOLD
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

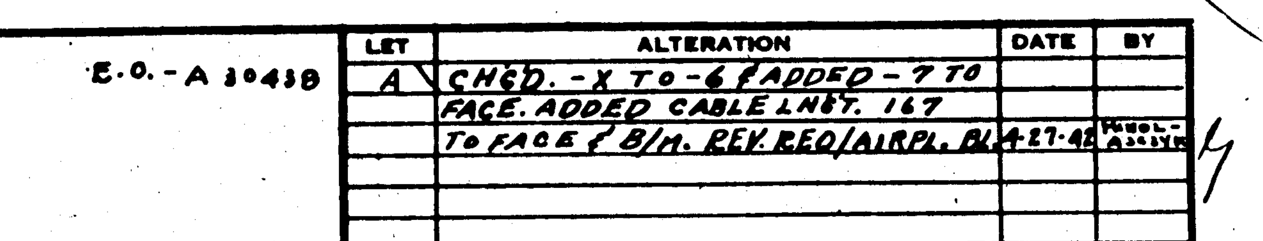
OPP. HAND NONE

NAME CABLE ASSY-FURN'S-RADIO POWER OUTLET TO DYNAMOTOR UNIT

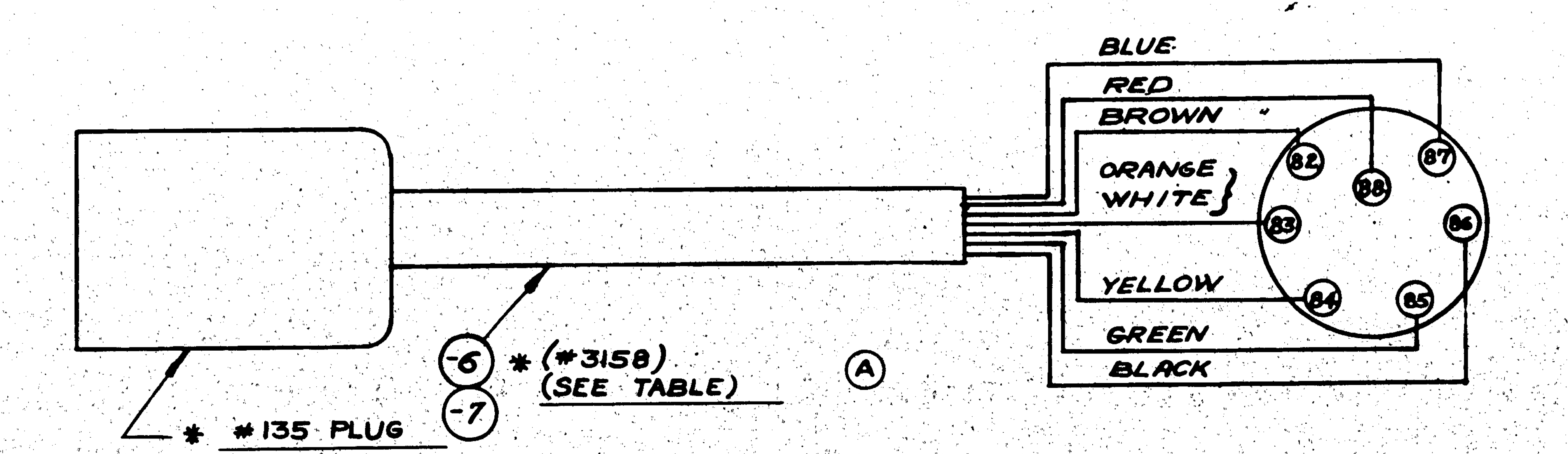
DWG. SIZE B — 29F6393

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

E.O. - A 30438



LET	ALTERATION	DATE	BY
A	CHGD. -X TO -6 & ADDED -7 TO FACE. ADDED CABLE LNGT. 167 TO FACE & B/M. REV. REQ/AIRPL. BL	4-27-42	



NOTES.

1. FOR TYPICAL PLUG ASS'Y & CONDUCTOR CLEANING SEE DRWG NO. 29F6399 (REF)
2. * DENOTES GOVERNMENT FURNISHED EQUIP.

DASH NO.	LENG'H OF CABLE
-6	167
-7	66

C-91876

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ
-0	PB2Y-3	29U3040	1
-2	PBY5	28F5102	1
-2	PBY-5A	28F5102	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± — SCALE

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
* #135	PLUG (AIRCRAFT RADIO CORP #1621)			2	2			
* -7	#3158 x 66 (GEN. CABLE CORP. #FHC-74				1			
* -6	#3158 x 167 (GEN. CABLE CORP. # FHC-74			1				

PARTS LIST PER ASSY.

AC		12-8-41		ROSENBAUM		
NAVY NONE	NONE	FINCHAM	1-10-42 P.W.J.	1-16-42	E. HINES 1-22-42	Noll
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT. APPROV.	ENG

NAME CABLE ASS'Y - FURN'S - GF JUNCTION BOX TO REC'V'R SWITCH BOX

OPP. HAND NONE

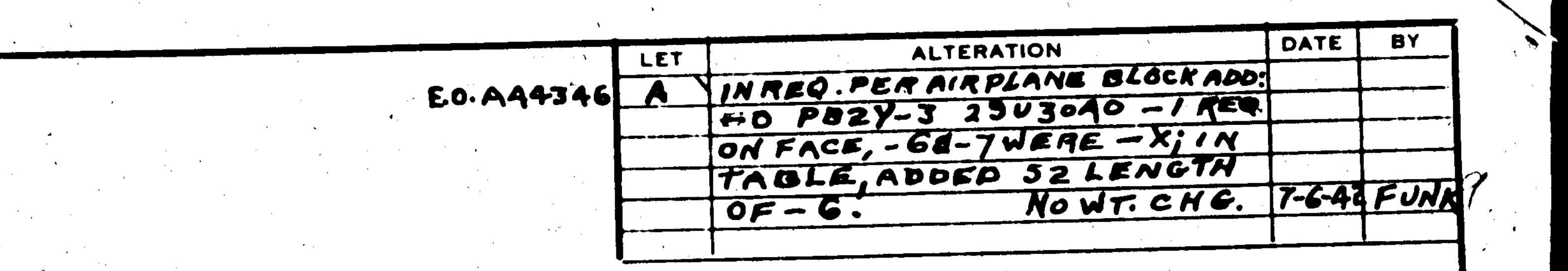
DWG. SIZE B — 29F6394

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

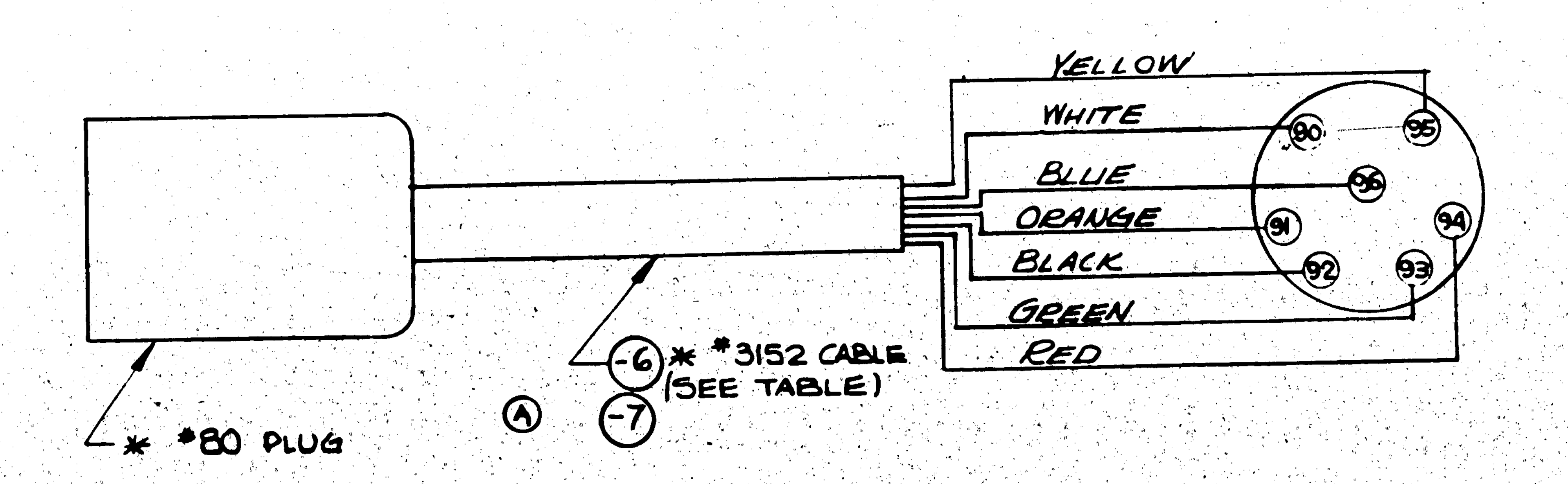
RUSH RELEASE 1-13-42

R

E.O. A44346



LET	ALTERATION	DATE	BY
A	IN REQ. PER AIRPLANE BLOCK ADD: -0 PB2Y-3 29U3040 -1 REQ. ON FACE, -6 & -7 WERE -X; IN TABLE, ADDED 52 LENGTH OF -6. NO WT. CHG.	7-6-42	FUNK



NOTES

1. FOR TYPICAL PLUG ASS'Y & CONDUCTOR CLEANING - SEE 29F6399 (REF)
2. * - DENOTES GOVERNMENT FURNISHED EQUIP.

DASH NUMBER	LENGTH OF CABLE
-6	52
-7	108

C-91876 -

ASSY DASH NO	MODEL	NEXT ASSY.	REQ
-2	PBY5	28F5102	*
-2	PBY5A	28F5102	*
-0	PB2Y-3	29U3040	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
SCALE —
STAMP PART NUMBER WHERE SHOWN

PART NO.	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
* #80 PLUG (AIRCRAFT RADIO CORP) #2304				2	2			
-7	* #3152 x 108 (GEN. CABLE CORP.)		* F.H.C-74		1			
-6	* #3152 x 52 (GEN. CABLE CORP.)		* FHC-74	1				

PARTS LIST PER ASSY.

AC		12-8-41					
NAVY NONE	NONE	FINCHAM	1-10-42	4/16/42		1/22/42	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG

OPP. HAND NONE

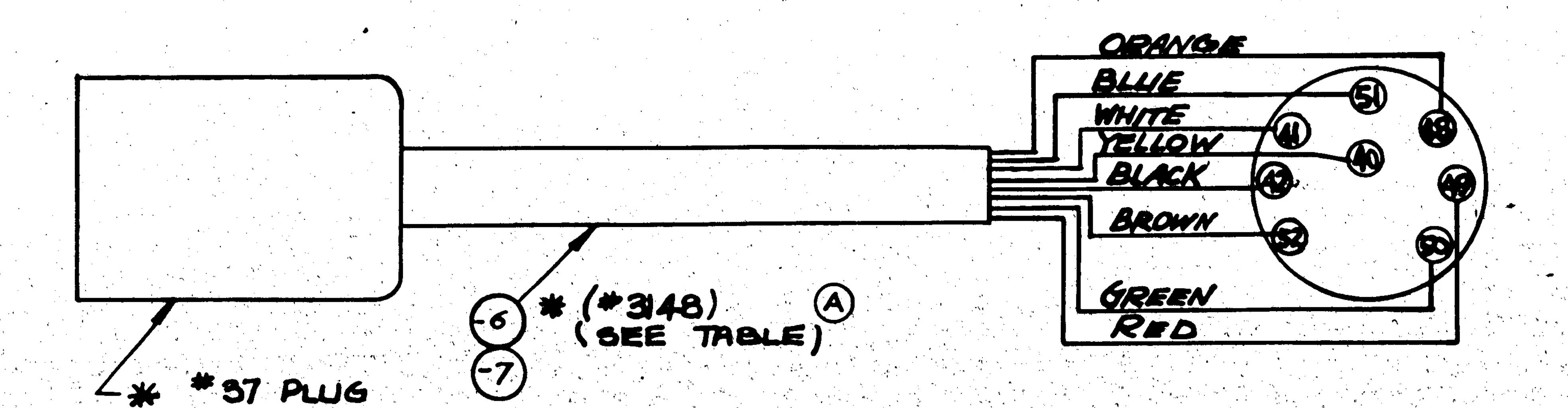
NAME CABLE ASS'Y-FURN'S-GF JUNCTION BOX TO EXTENSION CONTROL BOX

DWG. SIZE B 29F6395

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

LET	ALTERATION	DATE	BY
A	REMOVED -X & REPLACED WITH -6 & -7 ON FACE. INSERTED CABLE LENGTH (#3148) 162 ON FACE & B/M. REV. REQ PER AIRPLANE BL.	4-27-42	[illegible]

E.O. - A 30444



— NOTES —

1. FOR TYPICAL PLUG ASS'Y & CONDUCTOR CLEANING: SEE DRAWING No. 29F6399 (REF)
2. * - DENOTES GOVERNMENT FURNISHED EQUIPMENT.

DASH NUMBER	LENGTH OF CABLE
-6	162
-7	41

C-91876 —

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ
-0	PB2Y-3	29U3040	1
-2	PBY5	28F5102	1
-2	PBY-5A	28F5102	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED + — | SCALE

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 LH REQ.	-0 RH REQ.	-2 LH REQ.	-2 RH REQ.	-3 LH REQ.	-3 RH REQ.	-4 LH REQ.	-4 RH REQ.	-5 LH REQ.	-5 RH REQ.
*	#37 PLUG (AIRCRAFT RADIO CORP.		#1623)	2		2							
* -7	#3148 X 41 (GEN.	CABLE CORP.	#FHC-74)			1							
* -6	#3148 X 162 (GEN.	CABLE CORP.	#FHC-74)	1									

PARTS LIST PER ASSY.

AC		2-8-41	SHAVER	ROSENBAUM		GOODYEAR	
NAVY NONE	NONE	FINCHAM	1-10-42 [illegible]	1/16/42	[illegible]	1/22/42	[illegible]
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

NAME CABLE ASS'Y - FURN'S - GF JUNCTION BOX TO TRANS. CONTROL BOX

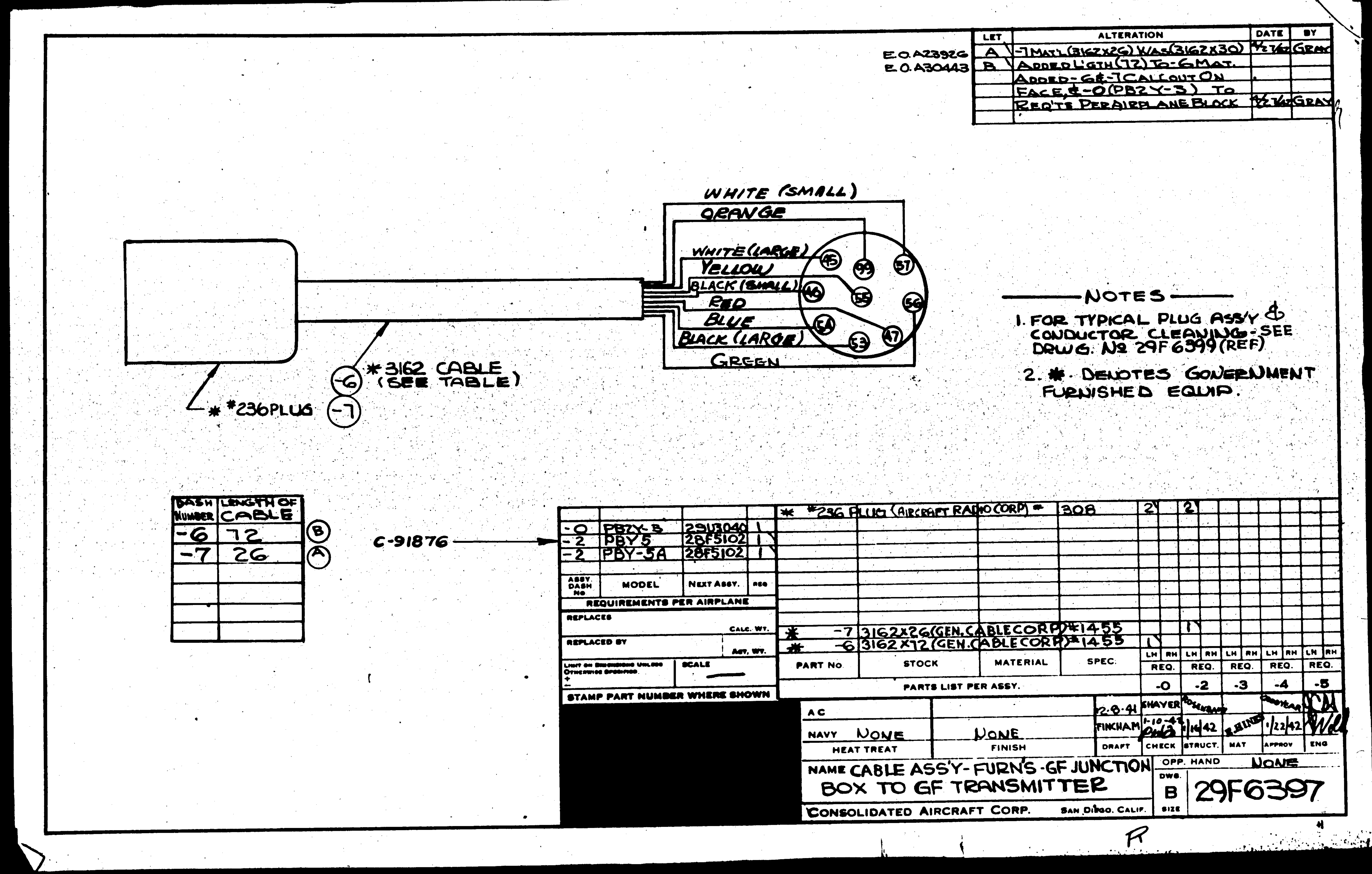
OPP. HAND NONE

DWG. SIZE B — 29F6396

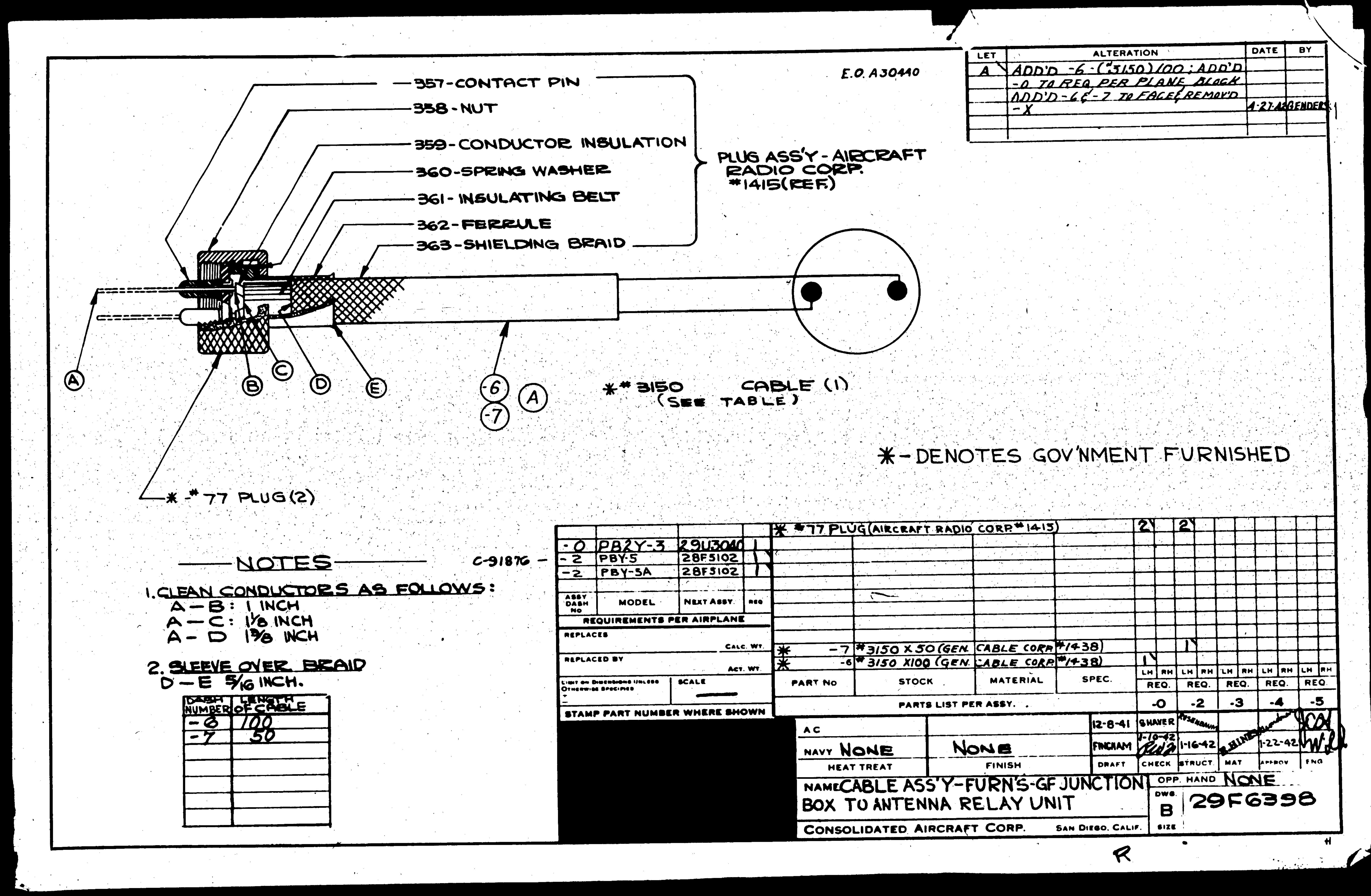
CONSOLIDATED AIRCRAFT CORP., SAN DIEGO, CALIF.

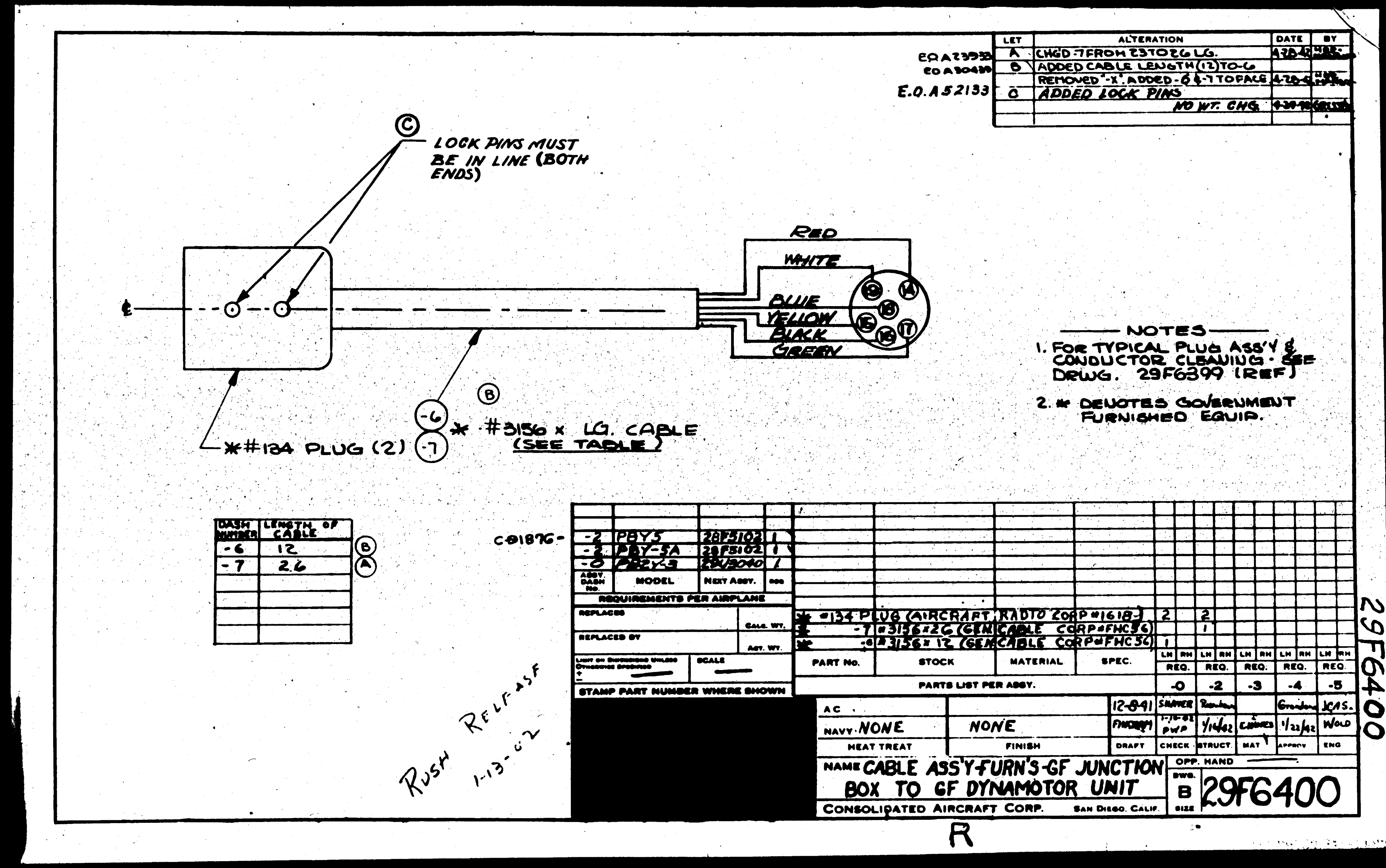
RUSH RELEASE 1-13-42

R



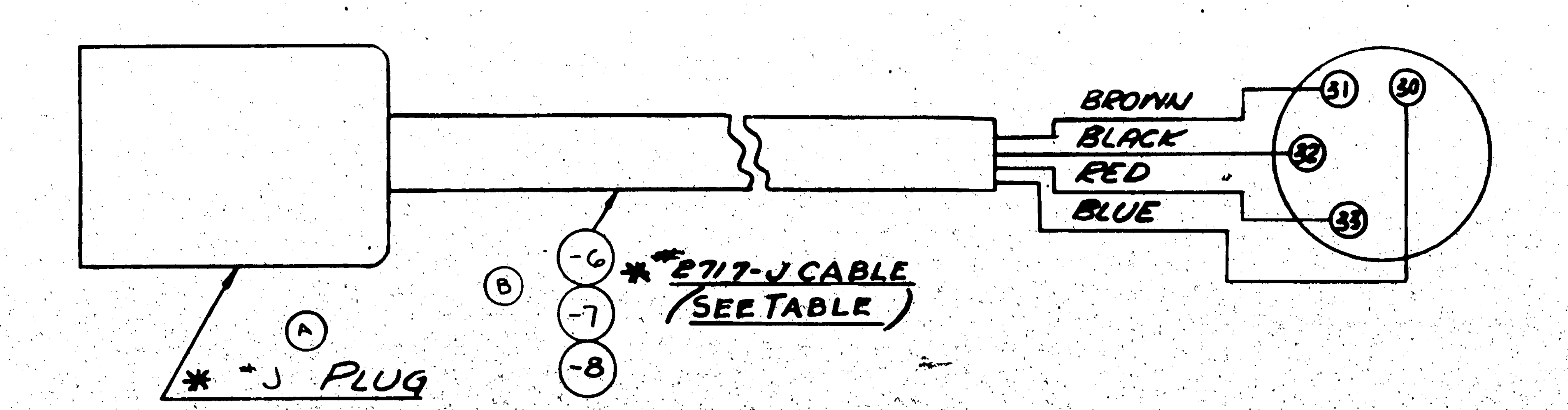
E.O. A23926
E.O. A30443
LET
ALTERATION
DATE
BY
A -7 MAT'L (3162X26) WAS (3162X30) 4/27/42 GRAY
B ADDED L'GTH (72) TO -6 MAT. ADDED -6 & -7 CALLOUT ON FACE, & -0 (PBZY-3) TO REQ'TS PER AIRPLANE BLOCK 4/27/42 GRAY
WHITE (SMALL)
ORANGE
WHITE (LARGE)
YELLOW
BLACK (SMALL)
RED
BLUE
BLACK (LARGE)
GREEN
45
99
57
46
55
56
5A
47
53
* 3162 CABLE (SEE TABLE)
-6
* #236 PLUG
-7
— NOTES —
1. FOR TYPICAL PLUG ASS'Y & CONDUCTOR CLEANING - SEE DRWG. No 29F6399 (REF)
2. * DENOTES GOVERNMENT FURNISHED EQUIP.
DASH NUMBER
LENGTH OF CABLE
-6 72 B
-7 26 A
C-91876
-0 PBZY-3 29U3040 1
-2 PBY5 28F5102 1
-2 PBY-5A 28F5102 1
ASSY. DASH No
MODEL
NEXT ASSY.
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
STAMP PART NUMBER WHERE SHOWN
* #236 PLUG (AIRCRAFT RADIO CORP) # 308 2 2
* -7 3162X26 (GEN. CABLE CORP) #1455 1
* -6 3162X72 (GEN. CABLE CORP) #1455 1
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ. -0
LH RH REQ. -2
LH RH REQ. -3
LH RH REQ. -4
LH RH REQ. -5
PARTS LIST PER ASSY.
A C
NAVY NONE
HEAT TREAT
NONE
FINISH
12-8-41 FINKHAM
DRAFT
SHAYER 1-10-42
CHECK
1/16/42
STRUCT.
MAT
1/22/42
APPROV
ENG
OPP. HAND NONE
NAME CABLE ASS'Y - FURN'S - GF JUNCTION BOX TO GF TRANSMITTER
DWG. B SIZE
29F6397
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.


E.O. A30440
LET | ALTERATION | DATE | BY
A ADD'D -6-(#3150)100; ADD'D -0 TO REQ PER PLANE BLOCK ADD'D -6 & -7 TO FACE; REMOV'D -X 4-27-42 BENDERS
357-CONTACT PIN
358-NUT
359-CONDUCTOR INSULATION
360-SPRING WASHER
361-INSULATING BELT
362-FERRULE
363-SHIELDING BRAID
PLUG ASS'Y-AIRCRAFT RADIO CORP. #1415(REF.)
A
B
C
D
E
-6
-7
A
*#3150 CABLE (1) (SEE TABLE)
*-DENOTES GOV'NMENT FURNISHED
*-#77 PLUG(2)
NOTES
1. CLEAN CONDUCTORS AS FOLLOWS:
A-B: 1 INCH
A-C: 1 1/8 INCH
A-D 1 3/8 INCH
2. SLEEVE OVER BRAID
D-E 5/16 INCH.
DASH NUMBER | LENGTH OF CABLE
-6 | 100
-7 | 50
C-91876
-0 PB2Y-3 29U3040 1
-2 PBY-5 28F5102 1
-2 PBY-5A 28F5102 1
ASSY DASH NO | MODEL | NEXT ASSY. | REQ
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
SCALE
STAMP PART NUMBER WHERE SHOWN
* #77 PLUG (AIRCRAFT RADIO CORP. #1415) 2 2
* -7 #3150 X 50 (GEN. CABLE CORP. #1438) 1
* -6 #3150 X100 (GEN. CABLE CORP. #1438) 1
PART NO | STOCK | MATERIAL | SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
-0 -2 -3 -4 -5
PARTS LIST PER ASSY.
AC
NAVY NONE
HEAT TREAT
NONE
FINISH
12-8-41 SHAVER
FINCHAM 1-16-42 1-16-42 1-22-42
DRAFT CHECK STRUCT. MAT APPROV ENG
NAME CABLE ASS'Y-FURN'S-GF JUNCTION BOX TO ANTENNA RELAY UNIT
OPP. HAND NONE
DWG. B SIZE
29F6398
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R


LET
ALTERATION
DATE
BY
EOA23953
EOA30439
E.O.A52133
A CHGD -7 FROM 23 TO 26 LG.
B ADDED CABLE LENGTH (12) TO -6
REMOVED "-X", ADDED -6 & -7 TO FACE
C ADDED LOCK PINS
NO WT. CHG.
LOCK PINS MUST BE IN LINE (BOTH ENDS)
RED
WHITE
BLUE
YELLOW
BLACK
GREEN
—— NOTES ——
1. FOR TYPICAL PLUG ASS'Y & CONDUCTOR CLEANING - SEE DRWG. 29F6399 (REF)
2. * DENOTES GOVERNMENT FURNISHED EQUIP.
*#134 PLUG (2)
-6
-7
* #3156 x LG. CABLE (SEE TABLE)
DASH NUMBER
LENGTH OF CABLE
-6 12 B
-7 26 A
C91876-
-2 PBY5 28F5102 1
-2 PBY-5A 28F5102 1
-0 PB2Y-3 29U3040 1
ASSY. DASH No.
MODEL
NEXT ASSY.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
STAMP PART NUMBER WHERE SHOWN
* #134 PLUG (AIRCRAFT RADIO CORP #1618-) 2 2
* -7 #3156 x 26 (GEN CABLE CORP #FHC56) 1
* -6 #3156 x 12 (GEN CABLE CORP #FHC56) 1
PART No.
STOCK
MATERIAL
SPEC.
LH RH
REQ.
PARTS LIST PER ASSY.
-0
-2
-3
-4
-5
AC
NAVY NONE
NONE
HEAT TREAT
FINISH
12-8-41
DRAFT
CHECK
STRUCT.
MAT
APPROV
ENG
NAME CABLE ASS'Y-FURN'S-GF JUNCTION BOX TO GF DYNAMOTOR UNIT
OPP. HAND
DWG.
B
SIZE
29F6400
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
RUSH RELEASE 1-13-42
R
29F6400

LET	ALTERATION	DATE	BY
A	"#J PLUG" WAS "#135 PLUG".	4-28-42	Hes-manson
B	ADDED CABLE LENGTH (107) TO -6,		
	REMOVED "X" & ADDED -6, -7 TO FACE	4-28-42	Hes-manson
C	ADD. -3 ASS'Y.		
	WT. FOR -3 ASS'Y. = .55#	10-8-42	Watson

E.O. A 23931
E.O. A 30447
E.O. A 61703



NOTES

1. FOR TYPICAL PLUG ASS'Y & CONDUCTOR CLEANING SEE DRWG No. 29F6405 (REF)
2. * DENOTES GOVERNMENT FURNISHED EQUIP.

DASH No	LENGTH OF CABLE
-6	107
-7	136
-8	33

(B)

RUSH RELEASE 1-13-42

C-91876 (90 & ON) → -3
C-91876 (1-89) → -2

ASSY. DASH No	MODEL	NEXT ASSY.	REQ
-3	PBY5	28F6955	1
-2	PBY5	28F5102	1
-2	PBY5A	28F5102	1
-0	PB2Y-3	29U3040	1

REQUIREMENTS PER AIRPLANE

REPLACES	-3 = .55 CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±	SCALE SKETCH

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 LH REQ.	-0 RH REQ.	-2 LH REQ.	-2 RH REQ.	-3 LH REQ.	-3 RH REQ.	-4 LH REQ.	-4 RH REQ.	-5 LH REQ.	-5 RH REQ.
* #J	PLUG			2		2		2					
* -8	#2717-J X 33							1					
* -7	#2717-J X 136					1							
* -6	#2717-J X 107			1									

PARTS LIST PER ASSY.

AC							
NAVY NONE	NONE		1-10-42	4/16/42		1/22/42	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV	ENG

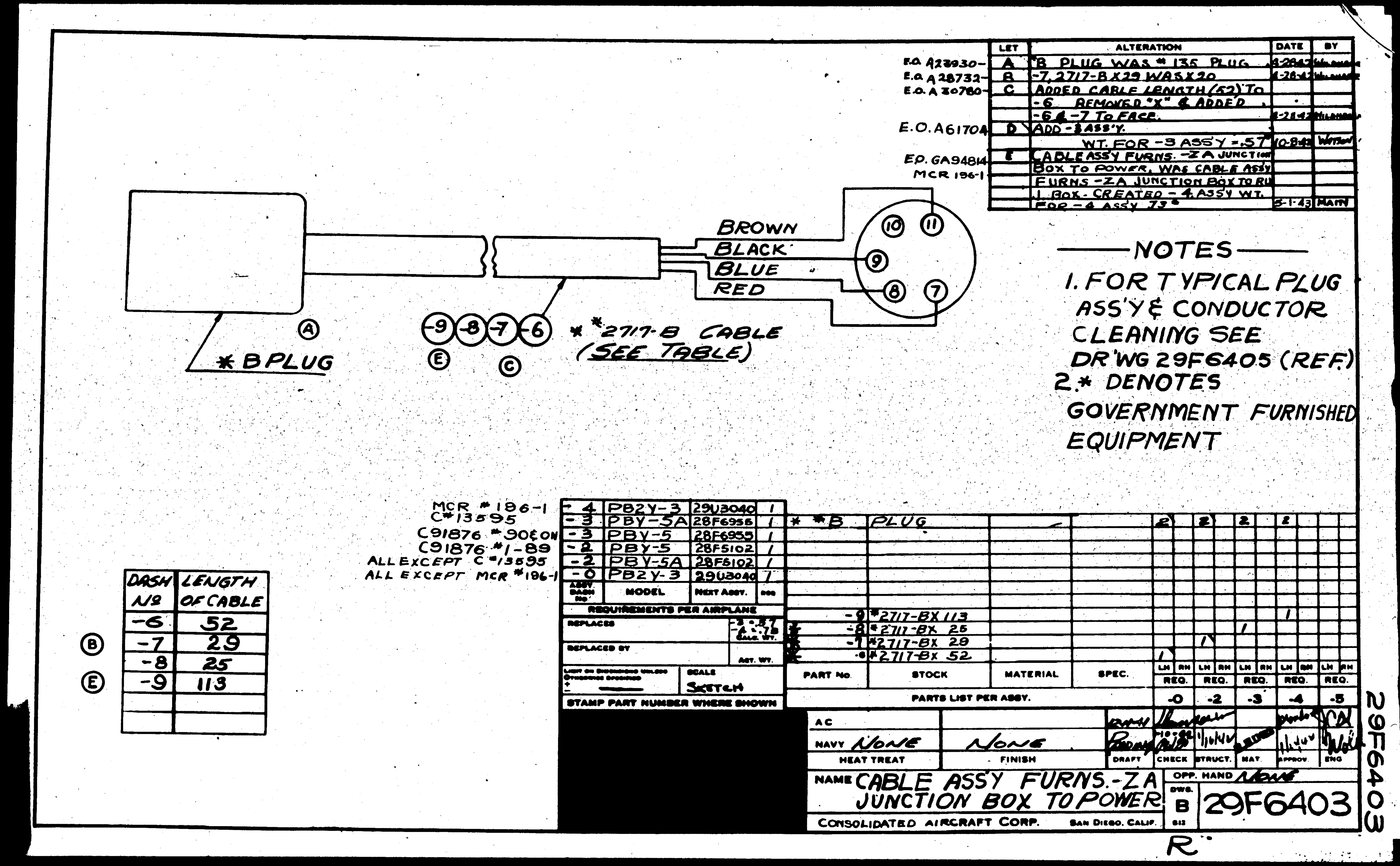
NAME CABLE ASS'Y FURNS-2A JUNCTION BOX TO GLIDE PATH RECEIVER

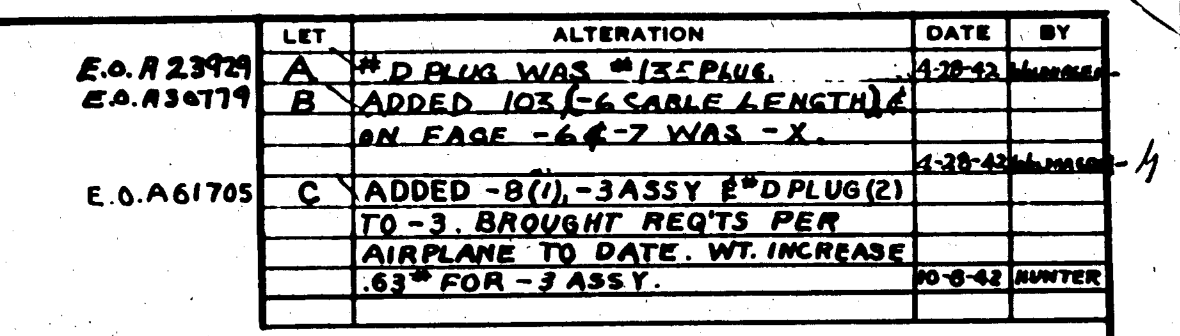
OPP. HAND

CORP. SAN DIEGO, CALIF.

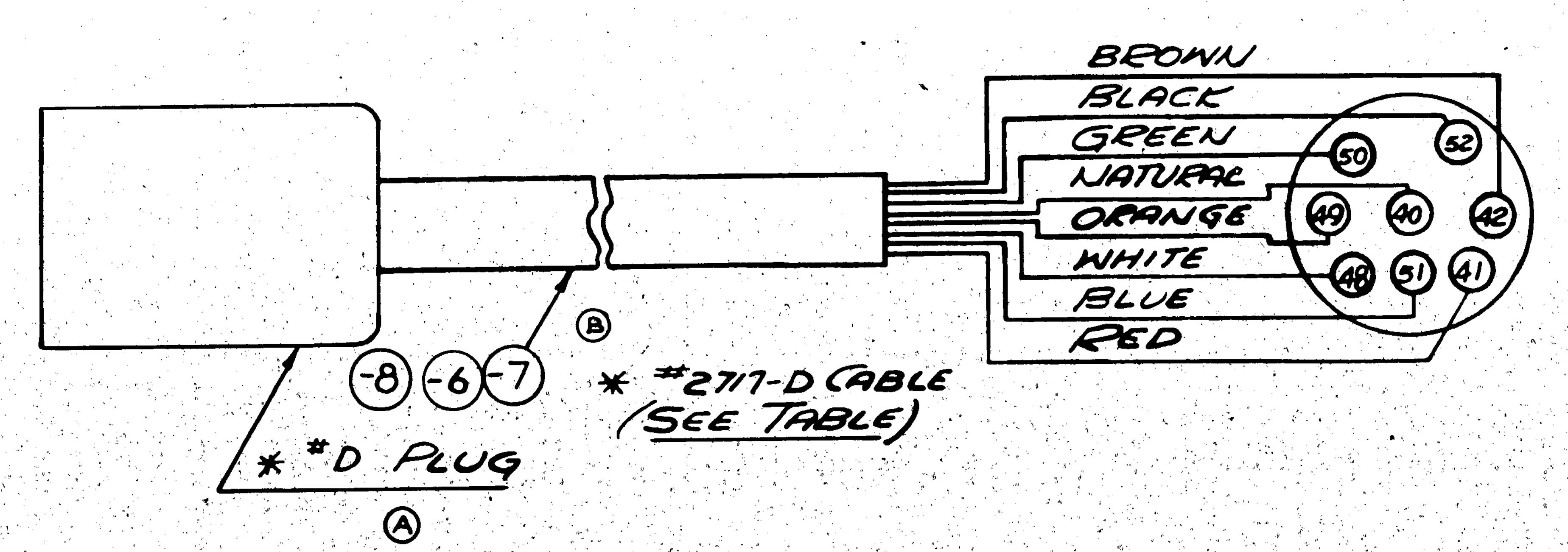
DWG. SIZE B

29F6402


LET
ALTERATION
DATE
BY
E.O. A23930 — A — B PLUG WAS * 135 PLUG
E.O. A28732 — B — -7, 2717-BX29 WAS X20
E.O. A30780 — C — ADDED CABLE LENGTH (52) TO -6 REMOVED "X" & ADDED -6 & -7 TO FACE.
E.O. A61704 — D — ADD -3 ASS'Y. WT. FOR -3 ASSY = .57
E.O. GA94814 MCR 196-1 — E — CABLE ASSY FURNS. -ZA JUNCTION BOX TO POWER, WAS CABLE ASSY FURNS -ZA JUNCTION BOX TO RU J. BOX - CREATED - 4 ASSY WT. FOR -4 ASSY .73
5-1-43
BROWN
BLACK
BLUE
RED
10
11
9
8
7
A
* B PLUG
-9
-8
-7
-6
E
C
* *2717-B CABLE (SEE TABLE)
NOTES
1. FOR TYPICAL PLUG ASS'Y & CONDUCTOR CLEANING SEE DR'WG 29F6405 (REF.)
2. * DENOTES GOVERNMENT FURNISHED EQUIPMENT
MCR #196-1 — -4 — PB2Y-3 — 29U3040 — 1
C#13595 — -3 — PBY-5A — 28F6958 — 1
C91876 #90 & ON — -3 — PBY-5 — 28F6955 — 1
C91876 #1-89 — -2 — PBY-5 — 28F5102 — 1
ALL EXCEPT C#13595 — -2 — PBY-5A — 28F5102 — 1
ALL EXCEPT MCR #196-1 — -0 — PB2Y-3 — 29U3040 — 1
ASSY DASH No.
MODEL
NEXT ASSY.
REQUIREMENTS PER AIRPLANE
* *B PLUG
-9 *2717-BX 113
-8 *2717-BX 25
-7 *2717-BX 29
-6 *2717-BX 52
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ. -0 -2 -3 -4 -5
PARTS LIST PER ASSY.
DASH No. — LENGTH OF CABLE
-6 — 52
B -7 — 29
-8 — 25
E -9 — 113
REPLACES
REPLACED BY
CALC. WT.
ACT. WT.
SCALE SKETCH
STAMP PART NUMBER WHERE SHOWN
AC
NAVY NONE
HEAT TREAT
NONE
FINISH
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG
NAME CABLE ASSY FURNS.-ZA JUNCTION BOX TO POWER
OPP. HAND NONE
DWG. B
29F6403
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
29F6403
R



	LET	ALTERATION	DATE	BY
E.O. A 23929	A	#D PLUG WAS #135 PLUG.	4-28-42	[illegible]
E.O. A 30779	B	ADDED 103 (-6 CABLE LENGTH) & ON FACE -6 & -7 WAS -X.	4-28-42	[illegible]
E.O. A 61705	C	ADDED -8(1), -3 ASSY & #D PLUG (2) TO -3. BROUGHT REQ'TS PER AIRPLANE TO DATE. WT. INCREASE .63# FOR -3 ASSY.	10-8-42	HUNTER



NOTES

1. FOR TYPICAL PLUG ASSY & CONDUCTOR CLEANING SEE DRWG NO. 29F6405 (REF)

2. ✱ DENOTES GOVERNMENT FURNISHED EQUIP.

DASH Nº	LENGTH OF CABLE
-6	103
-7	64
-8	29

C.-91876, #90 & ON
C#-91876 —

ASSY DASH No	MODEL	NEXT ASSY.	REQ
-3	PBY5	28F6955	1
-2	PBY5	28F5102	1
-2	PBY5A	28F5102	1
-0	PB2Y-3	29U3040	1

REQUIREMENTS PER AIRPLANE

REPLACES — -3 = .63 CALC. WT.

REPLACED BY — ACT. WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± —

SCALE: SKETCH

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 REQ. LH	-0 REQ. RH	-2 REQ. LH	-2 REQ. RH	-3 REQ. LH	-3 REQ. RH	-4 REQ. LH	-4 REQ. RH	-5 REQ. LH	-5 REQ. RH
✱ #D	PLUG			2		2		2					
✱ -8	#2717-DX29							1					
✱ -7	#2717-Dx64					1							
✱ -6	#2717-D X	(103-LENGTH)		1									

PARTS LIST PER ASSY.

AC		12-1-41	[signature]	[signature]		[signature]	[signature]
NAVY NONE	NONE	[signature]	[signature] 1-10-42	1/14/42	[signature]	1/22/42	[signature]
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT	APPROV	ENG

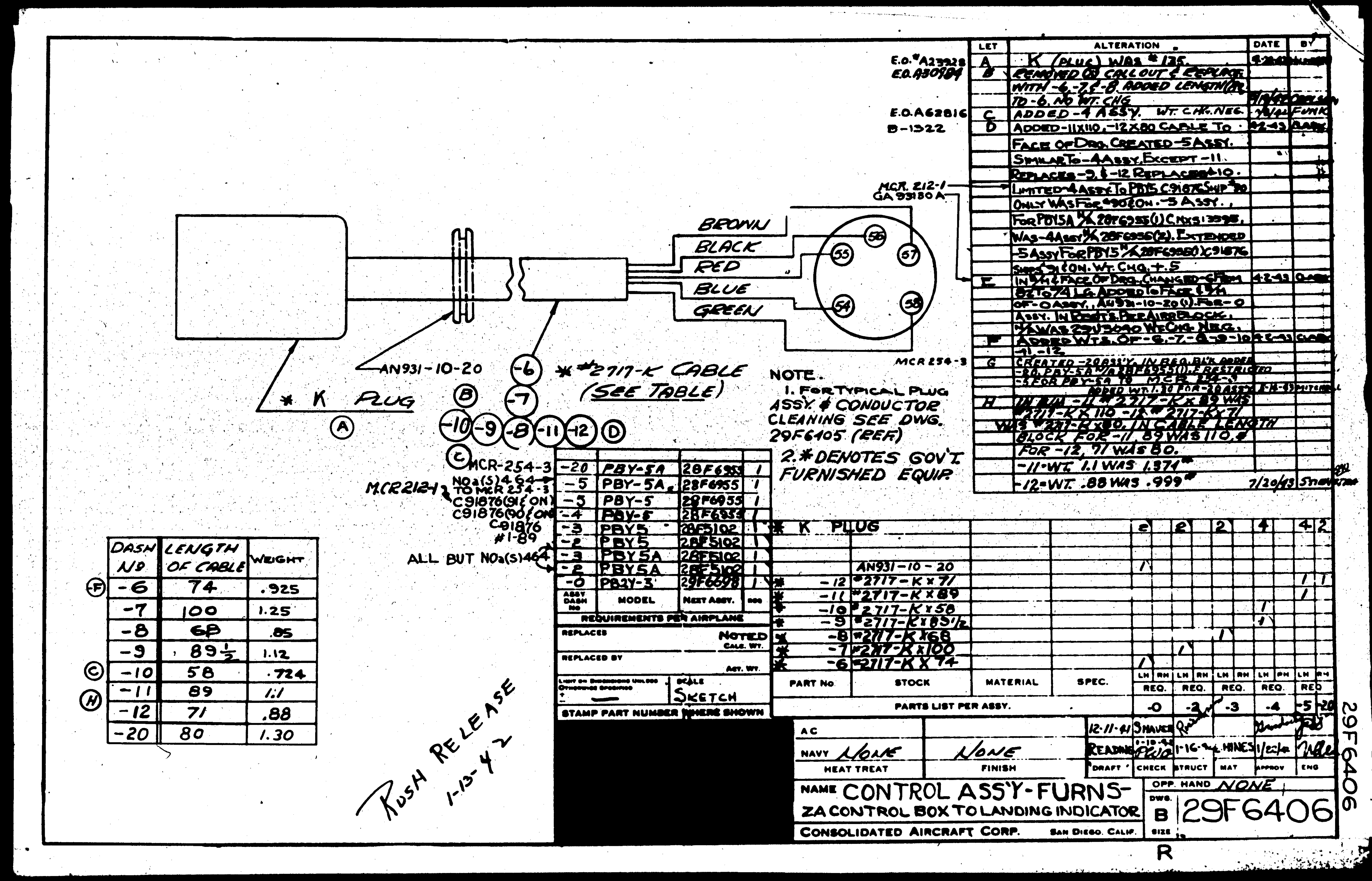
NAME: CABLE ASSY-FURNS-ZA J. BOX TO SIGNAL CONVERTER

OPP. HAND: NONE

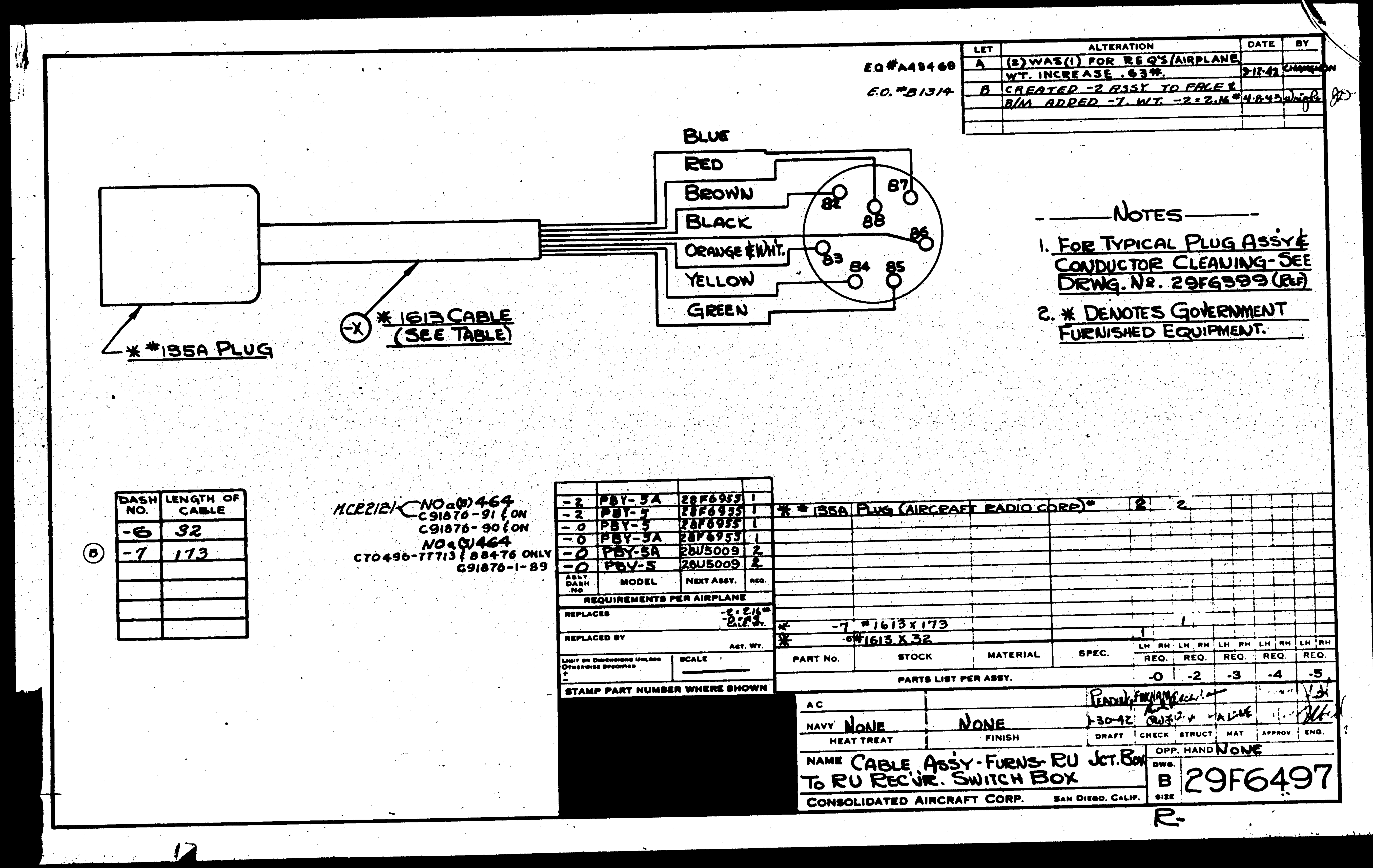
DWG. SIZE: B — 29F6404

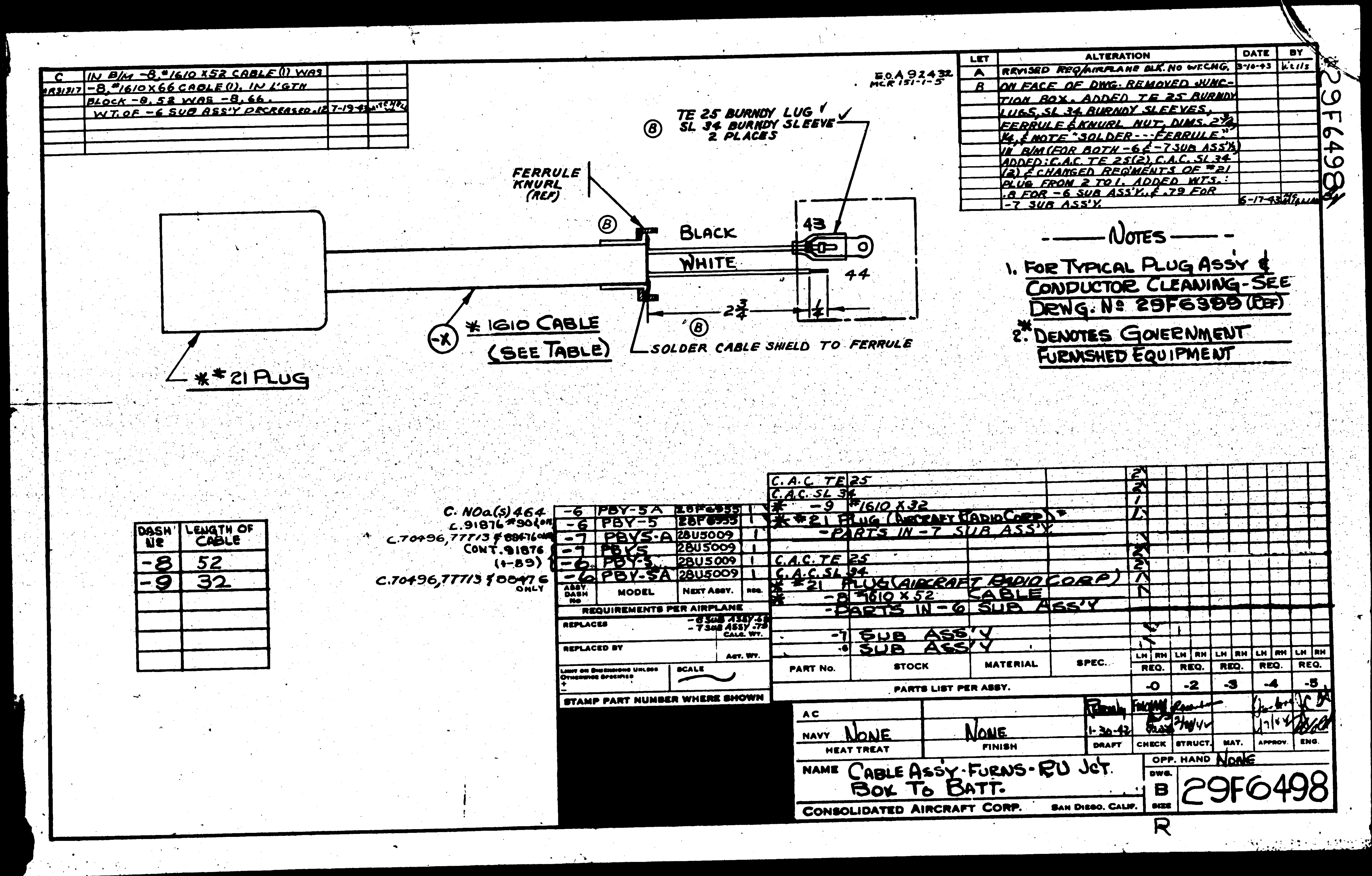
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

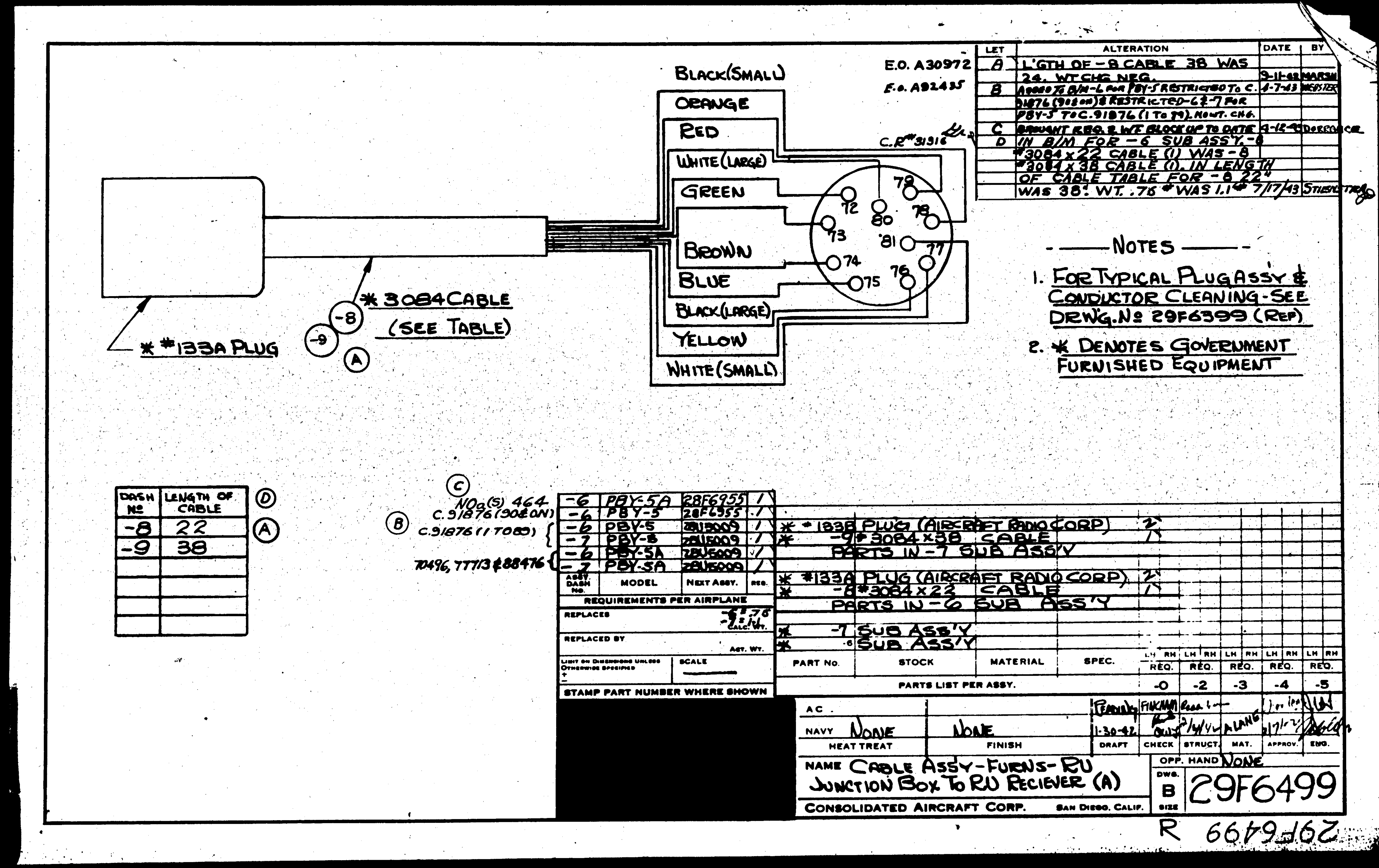


LET | ALTERATION | DATE | BY
E.O.# A23928 A K (PLUG) WAS #135.
E.O. A30984 B REMOVED (8) CALLOUT & REPLACE WITH -6,-7 & -8. ADDED LENGTH(8) TO -6. NO WT. CHG
E.O. A62816 C ADDED -4 ASSY. WT. CHG. NEG. FUNK
B-1322 D ADDED -11X110, -12X80 CABLE TO FACE OF DRG. CREATED -5 ASSY. SIMILAR TO -4 ASSY. EXCEPT -11. REPLACES -9, & -12 REPLACES -10. LIMITED -4 ASSY TO PBY5 C91876 SHIP #90 ONLY WAS FOR #90 & ON. -5 ASSY., FOR PBY5A N/A 28F6955(1) C NXS 13393, WAS -4 ASSY N/A 28F6956(2). EXTENDED -5 ASSY FOR PBY5 N/A 28F6955(1) C91876 SHIPS 91 & ON. WT. CHG. +.5
E IN N/A & FACE OF DRG. CHANGED -6 FROM 82 TO 74 LG. ADDED TO FACE & N/A OF -0 ASSY., AN931-10-20(1). FOR -0 ASSY. IN PARTS PER AIRBLOCK. N/A WAS 29U3090 WT. CHG. NEG.
F ADDED WTS. OF -6,-7,-8,-9,-10,-11,-12
G CREATED -20 ASSY. IN REQ. BLK ADDED -20, PBY-5A N/A 28F6955(1). RESTRICTED -5 FOR PBY-5A TO MCR 254-3. ADDED WT. 1.30 FOR -20 ASSY MITCHELL
H IN N/A -11 #2717-K X 89 WAS #2717-K X 110 -12 #2717-K X 71 WAS #2717-K X 80. IN CABLE LENGTH BLOCK FOR -11, 89 WAS 110, & FOR -12, 71 WAS 80. -11 WT. 1.1 WAS 1.374# -12 WT. .88 WAS .999# 7/20/43
MCR. 212-1
GA 93180 A
BROWN
BLACK
RED
BLUE
GREEN
56
55
57
54
58
MCR 254-3
AN931-10-20
* K PLUG
A
B
-6
-7
* #2717-K CABLE (SEE TABLE)
-10 -9 -8 -11 -12
C
D
NOTE.
1. FOR TYPICAL PLUG ASSY. & CONDUCTOR CLEANING SEE DWG. 29F6405 (REF.)
2. * DENOTES GOV'T. FURNISHED EQUIP.
DASH NO | LENGTH OF CABLE | WEIGHT
F -6 | 74 | .925
-7 | 100 | 1.25
-8 | 68 | .85
-9 | 89 1/2 | 1.12
C -10 | 58 | .724
H -11 | 89 | 1.1
-12 | 71 | .88
-20 | 80 | 1.30
MCR-254-3
M.CR 212-1
NOa(S)464 TO MCR 254-3
C91876(91 & ON)
C91876(90 & ON)
C91876 #1-89
ALL BUT NOa(S)464
ASSY DASH NO | MODEL | NEXT ASSY.
-20 | PBY-5A | 28F6955 | 1
-5 | PBY-5A | 28F6955 | 1
-5 | PBY-5 | 28F6955 | 1
-4 | PBY-5 | 28F6955 | 1
-3 | PBY5 | 28F5102 | 1
-2 | PBY5 | 28F5102 | 1
-3 | PBY5A | 28F5102 | 1
-2 | PBY5A | 28F5102 | 1
-0 | PB2Y-3 | 29F6698 | 1
REQUIREMENTS PER AIRPLANE
REPLACES NOTED CALC. WT.
REPLACED BY ACT. WT.
SCALE SKETCH
STAMP PART NUMBER WHERE SHOWN
* K PLUG
AN931-10-20
* -12 #2717-K X 71
* -11 #2717-K X 89
* -10 #2717-K X 58
* -9 #2717-K X 89 1/2
* -8 #2717-K X 68
* -7 #2717-K X 100
* -6 #2717-K X 74
PART No. | STOCK | MATERIAL | SPEC. | REQ.
PARTS LIST PER ASSY. -0 -2 -3 -4 -5 -20
NAVY NONE HEAT TREAT
NONE FINISH
12-11-41 SHAVER DRAFT
CHECK STRUCT MAT APPROV ENG
OPP. HAND NONE
NAME CONTROL ASS'Y-FURNS-ZA CONTROL BOX TO LANDING INDICATOR
DWG. B 29F6406 SIZE
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
RUSH RELEASE 1-13-42
29F6406
R

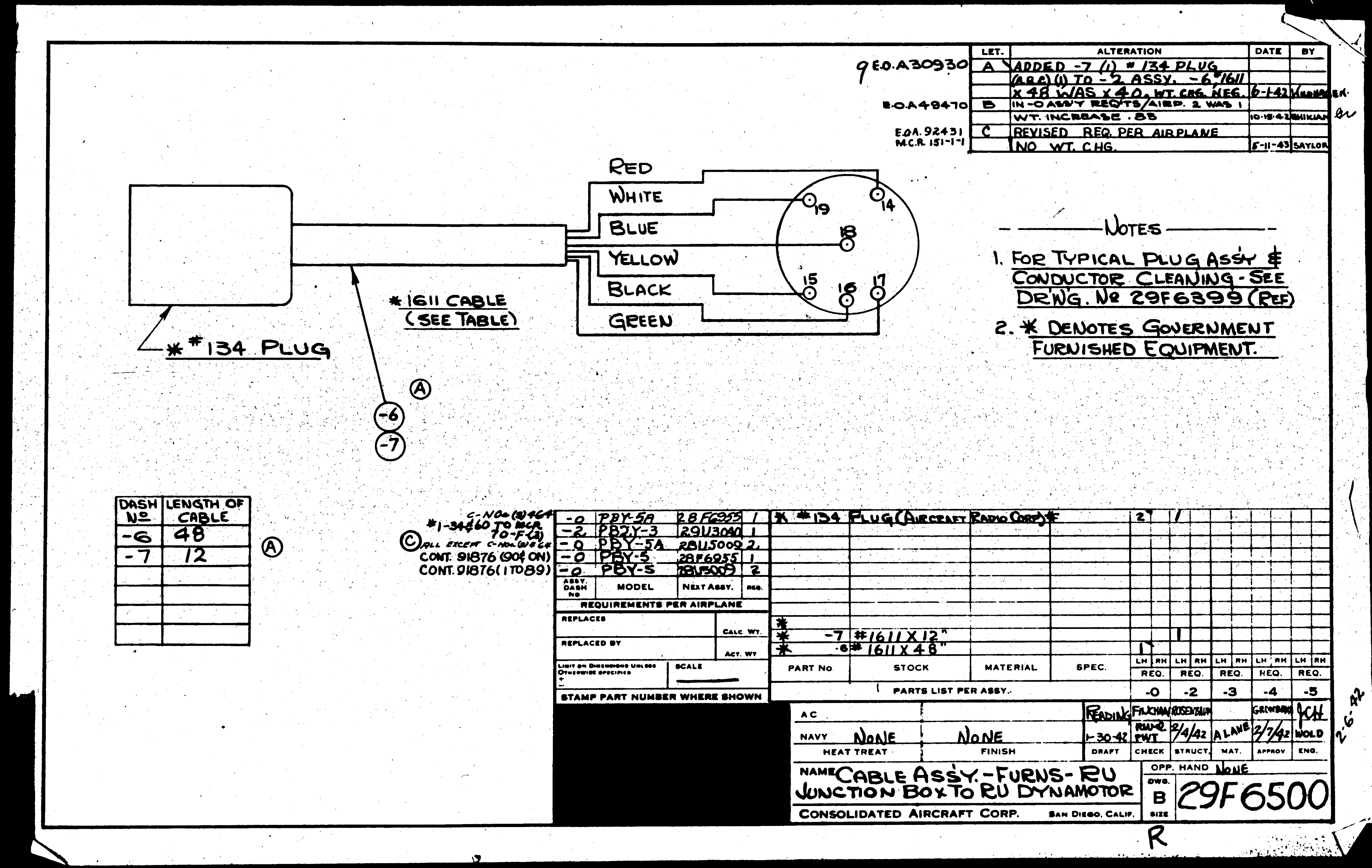

E.O. #A48468
E.O. #B1314
LET | ALTERATION | DATE | BY
A | (2) WAS (1) FOR REQ'S/AIRPLANE WT. INCREASE .63#. | 9-12-42 | CHAMPION
B | CREATED -2 ASSY TO FACE & B/M ADDED -7. WT. -2=2.16# | 4-8-43 | Wright
BLUE
RED
BROWN
BLACK
ORANGE & WHT.
YELLOW
GREEN
87
82
88
86
83
84
85
* #135A PLUG
-X
* 1613 CABLE (SEE TABLE)
NOTES
1. FOR TYPICAL PLUG ASSY & CONDUCTOR CLEANING-SEE DRWG. No. 29F6399 (REF)
2. * DENOTES GOVERNMENT FURNISHED EQUIPMENT.
DASH NO. | LENGTH OF CABLE
-6 | 32
B -7 | 173
MCR2121 NOa(B)464 C91876-91 & ON C91876-90 & ON
NOa(S)464 C70496-77713 & 88476 ONLY C91876-1-89
-2 | PBY-5A | 28F6955 | 1
-2 | PBY-5 | 28F6955 | 1
-0 | PBY-5 | 28F6955 | 1
-0 | PBY-5A | 28F6955 | 1
-0 | PBY-5A | 28U5009 | 2
-0 | PBY-5 | 28U5009 | 2
ASSY. DASH No. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES -2=2.16# -0=.63 CALC. WT.
REPLACED BY ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
SCALE
STAMP PART NUMBER WHERE SHOWN
* #135A PLUG (AIRCRAFT RADIO CORP)* 2 2
* -7 #1613 X 173 1
* -6 #1613 X 32 1
PART No. | STOCK | MATERIAL | SPEC. | LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY NONE
HEAT TREAT
NONE
FINISH
1-30-42
DRAFT | CHECK | STRUCT. | MAT | APPROV. | ENG.
OPP. HAND NONE
NAME CABLE ASSY-FURNS-RU JCT. BOX TO RU REC'VR. SWITCH BOX
DWG. SIZE B
29F6497
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R-



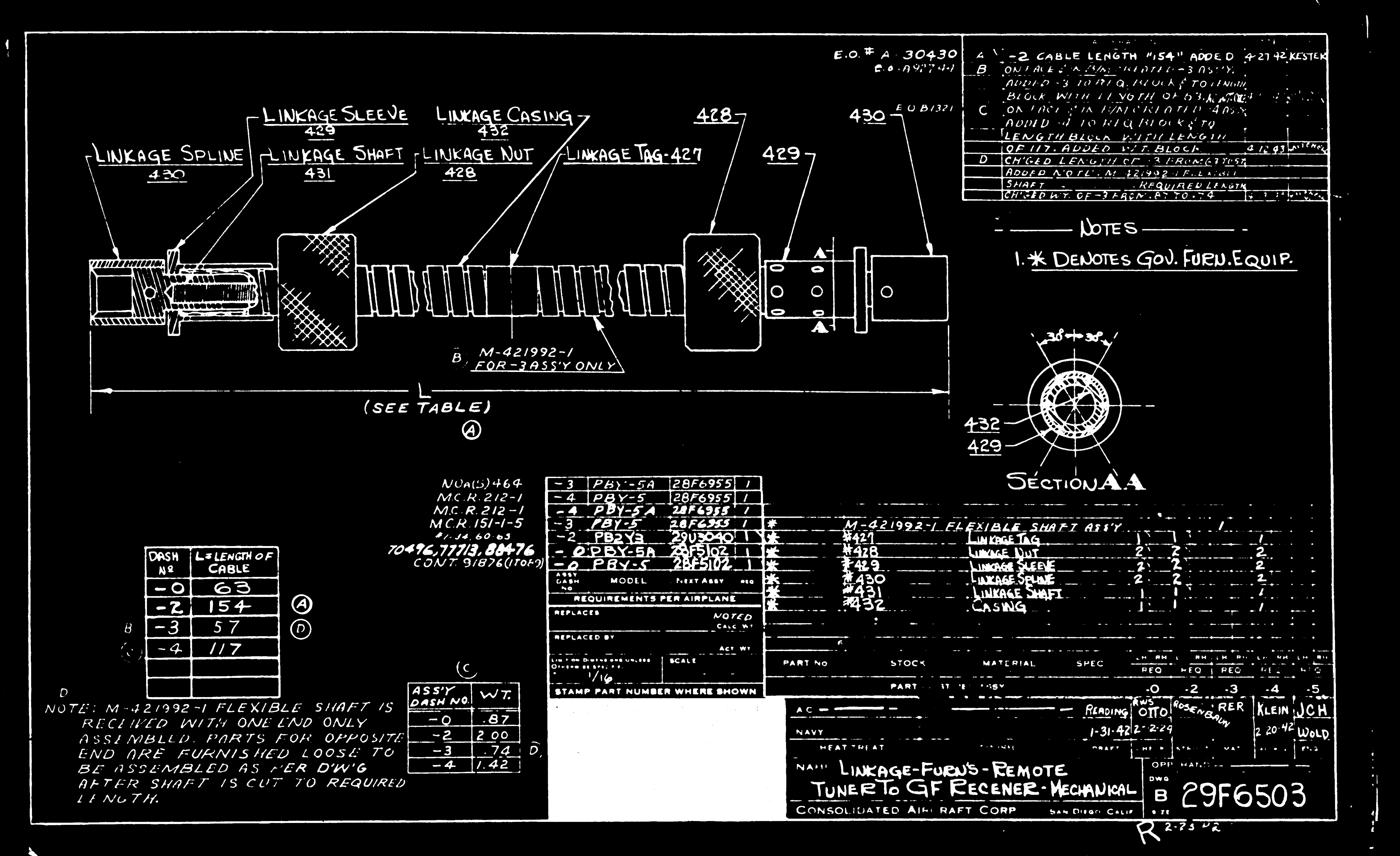
C | IN B/M -8, *1610 X52 CABLE (1) WAS -8, *1610 X66 CABLE (1). IN L'GTH BLOCK -8, 52 WAS -8, 66. WT. OF -6 SUB ASS'Y DECREASED .12 | 7-19-43
E.O. A92432
MCR 151-1-5
LET | ALTERATION | DATE | BY
A | REVISED REQ/AIRPLANE BLK. NO WT. CHG. | 3-10-43
B | ON FACE OF DWG. REMOVED JUNCTION BOX. ADDED TE 25 BURNDY LUGS, SL 34 BURNDY SLEEVES, FERRULE & KNURL NUT, DIMS. 2 3/4, 1/4, & NOTE "SOLDER---FERRULE" IN B/M (FOR BOTH -6 & -7 SUB ASS'YS) ADDED: C.A.C. TE 25 (2), C.A.C. SL 34 (2) & CHANGED REQ'MENTS OF *21 PLUG FROM 2 TO 1. ADDED WTS.: .8 FOR -6 SUB ASS'Y, & .79 FOR -7 SUB ASS'Y. | 6-17-43
29F6498
TE 25 BURNDY LUG
SL 34 BURNDY SLEEVE
2 PLACES
FERRULE
KNURL
(REF)
BLACK
WHITE
43
44
2 3/4
1/4
SOLDER CABLE SHIELD TO FERRULE
*1610 CABLE
(SEE TABLE)
-X
**21 PLUG
NOTES
1. FOR TYPICAL PLUG ASSY & CONDUCTOR CLEANING - SEE DRWG. No 29F6389 (REF)
2. * DENOTES GOVERNMENT FURNISHED EQUIPMENT
DASH No | LENGTH OF CABLE
-8 | 52
-9 | 32
C. NOa(s) 464
C. 91876 *90 ON
C. 70496, 77713 & 88476 ONLY
CONT. 91876 (1-89)
C. 70496, 77713 & 88476 ONLY
-6 | PBY-5A | 28F6955 | 1
-6 | PBY-5 | 28F6955 | 1
-7 | PBY5-A | 28U5009 | 1
-7 | PBY5 | 28U5009 | 1
-6 | PBY-5 | 28U5009 | 1
-6 | PBY-5A | 28U5009 | 1
ASSY DASH No | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
-6 SUB ASS'Y .8
-7 SUB ASS'Y .79
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
SCALE
STAMP PART NUMBER WHERE SHOWN
C.A.C. TE 25 | 2
C.A.C. SL 34 | 2
* -9 | *1610 X32 | 1
**21 PLUG (AIRCRAFT RADIO CORP.) | 1
-PARTS IN -7 SUB ASS'Y
C.A.C. TE 25 | 2
C.A.C. SL 34 | 2
**21 PLUG (AIRCRAFT RADIO CORP.) | 1
* -8 *1610 X52 CABLE | 1
-PARTS IN -6 SUB ASS'Y
-7 SUB ASS'Y
-6 SUB ASS'Y
PART No. | STOCK | MATERIAL | SPEC. | LH RH REQ. -0 | REQ. -2 | REQ. -3 | REQ. -4 | REQ. -5
PARTS LIST PER ASSY.
AC
NAVY NONE
HEAT TREAT
NONE
FINISH
1-30-43
DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
OPP. HAND NONE
NAME CABLE ASSY - FURNS - RU JCT. BOX TO BATT.
DWG. SIZE B
29F6498
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R

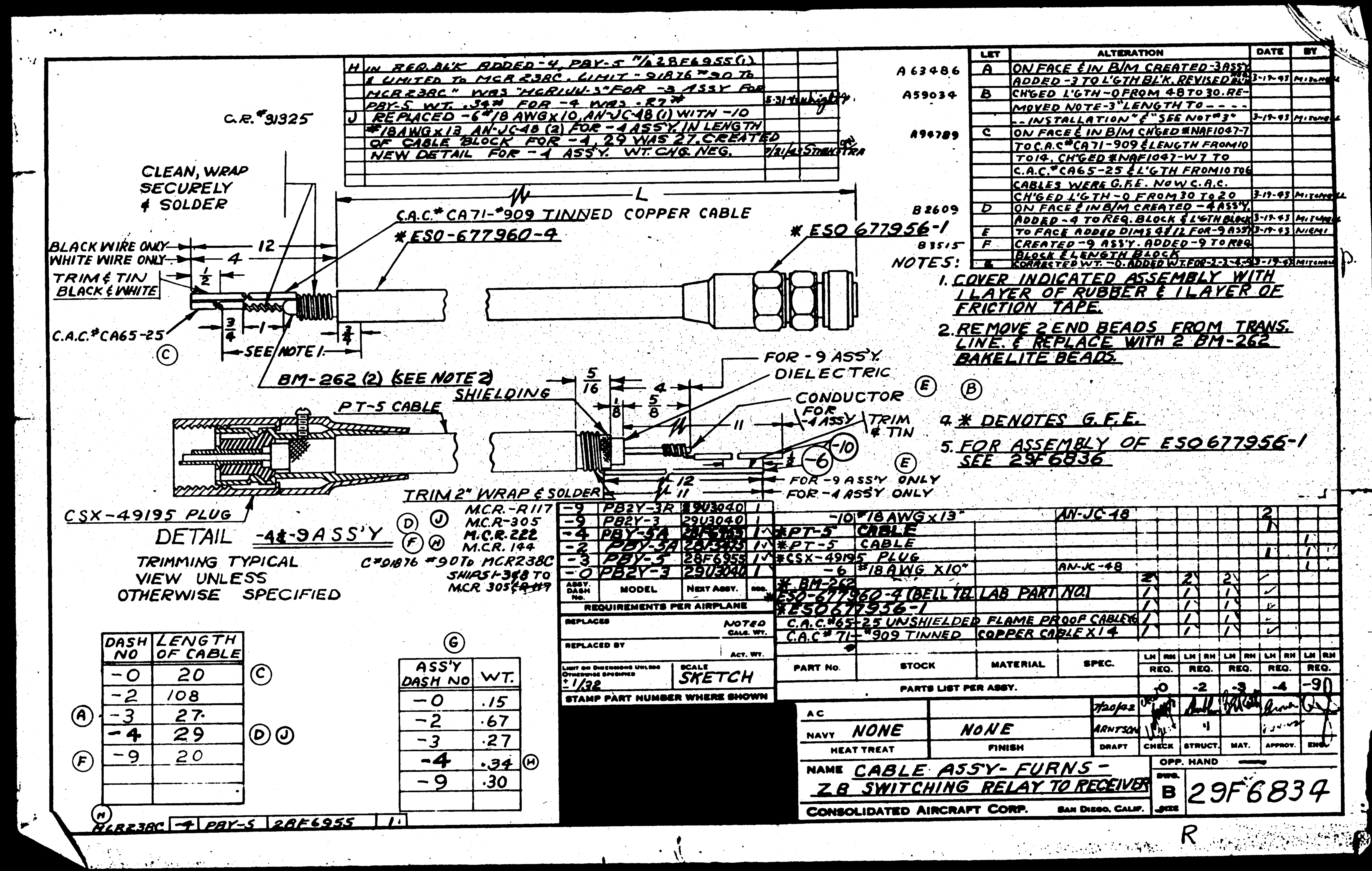


E.O. A30972
E.O. A92435
C.R.#31916
BLACK(SMALL)
ORANGE
RED
WHITE (LARGE)
GREEN
BROWN
BLUE
BLACK (LARGE)
YELLOW
WHITE (SMALL)
72 73 74 75 76 77 78 79 80 81
* #133A PLUG
* 3084 CABLE (SEE TABLE)
-8
-9
LET | ALTERATION | DATE | BY
A | L'GTH OF -8 CABLE 38 WAS 24. WT CHG NEG. | 9-11-42 | MARSH
B | ADDED TO B/M-L FOR PBY-5 RESTRICTED TO C.91876 (90 & ON) & RESTRICTED -6 & -7 FOR PBY-5 TO C.91876 (1 TO 89). NO WT. CHG. | 4-7-43 | WEBSTER
C | BROUGHT REQ. & WT. BLOCK UP TO DATE | 4-12-43
D | IN B/M FOR -6 SUB ASSY -8 #3084x22 CABLE (1) WAS -8 #3084x38 CABLE (1). IN LENGTH OF CABLE TABLE FOR -8 22" WAS 38". WT. .76# WAS 1.1# | 7/17/43
NOTES
1. FOR TYPICAL PLUG ASSY & CONDUCTOR CLEANING - SEE DRWG. No 29F6399 (REF)
2. * DENOTES GOVERNMENT FURNISHED EQUIPMENT
DASH No | LENGTH OF CABLE
-8 | 22
-9 | 38
NOa(S) 464
C.91876 (90 & ON)
C.91876 (1 TO 89)
70496, 77713 & 88476
-6 PBY-5A 28F6955 1
-6 PBY-5 28F6955 1
-6 PBY-5 8BU5009 1
-7 PBY-5 8BU5009 1
-6 PBY-5A 8BU5009 1
-7 PBY-5A 8BU5009 1
ASSY DASH No. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
-6=.76 -9=1.1 CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
SCALE
STAMP PART NUMBER WHERE SHOWN
* #133B PLUG (AIRCRAFT RADIO CORP) 2
* -9 #3084x38 CABLE 1
PARTS IN -7 SUB ASS'Y
* #133A PLUG (AIRCRAFT RADIO CORP) 2
* -8 #3084x22 CABLE 1
PARTS IN -6 SUB ASS'Y
* -7 SUB ASS'Y
* -6 SUB ASS'Y
PART No. | STOCK | MATERIAL | SPEC. | LH RH REQ. -0 | -2 | -3 | -4 | -5
PARTS LIST PER ASSY.
AC.
NAVY NONE
HEAT TREAT NONE
FINISH NONE
1-30-42 DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
OPP. HAND NONE
NAME CABLE ASSY-FURNS-RU JUNCTION BOX TO RU RECIEVER (A)
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
DWG. SIZE B
29F6499
R 29F6499

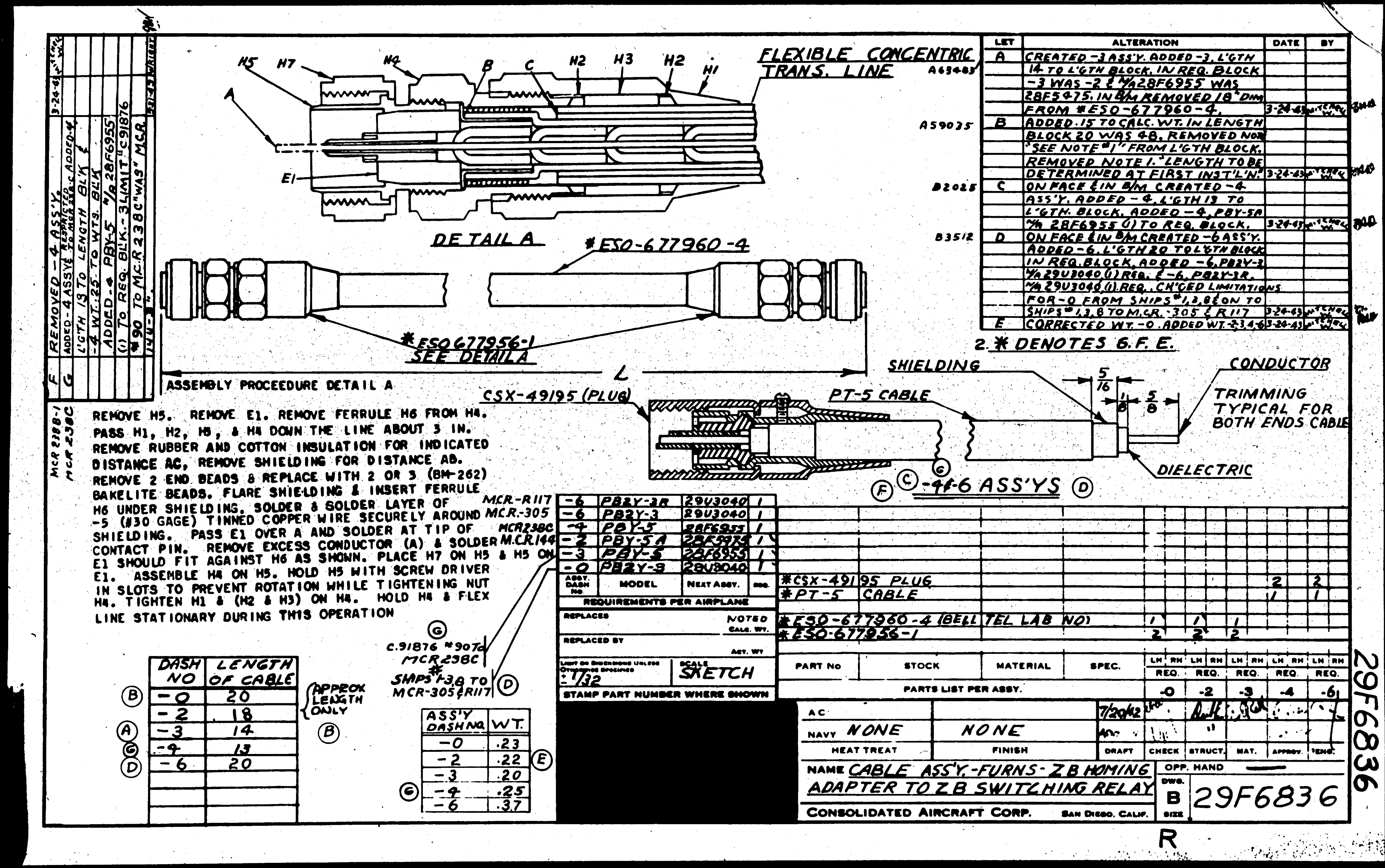


LET. | ALTERATION | DATE | BY
E.O. A30930 A ADDED -7 (1) #134 PLUG (ARC) (1) TO -2 ASSY. -6, #1611 X 48 WAS X 40. WT. CHG. NEG. 6-1-42
E.O. A49470 B IN -0 ASS'Y REQ'TS/AIRP. 2 WAS 1 WT. INCREASE .83 10-15-42
E.O.A. 92431 M.C.R. 151-1-1 C REVISED REQ. PER AIRPLANE NO WT. CHG. 5-11-43 SAYLOR
RED
WHITE
BLUE
YELLOW
BLACK
GREEN
19
14
18
15
16
17
*#134 PLUG
*1611 CABLE (SEE TABLE)
A
-6
-7
NOTES
1. FOR TYPICAL PLUG ASS'Y & CONDUCTOR CLEANING - SEE DR'WG. No 29F6399 (REF)
2. * DENOTES GOVERNMENT FURNISHED EQUIPMENT.
DASH No | LENGTH OF CABLE
-6 | 48
-7 | 12
A
C-NOs. (3) 464 #1-34 & 60 TO MCR 70-F (2)
C ALL EXCEPT C-NOs. (3) 464
CONT. 91876 (90 & ON)
CONT. 91876 (1 TO 89)
-0 | PBY-5A | 28F6955 | 1
-2 | PB2Y-3 | 29U3040 | 1
-0 | PBY-5A | 28U5009 | 2
-0 | PBY-5 | 28F6955 | 1
-0 | PBY-5 | 28U5009 | 2
ASSY. DASH No | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
SCALE
STAMP PART NUMBER WHERE SHOWN
* #134 PLUG (AIRCRAFT RADIO CORP.) * | 2 | 1
*
* -7 #1611 X 12" | 1
* -6 #1611 X 48" | 1
PART No. | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY
NONE
NONE
HEAT TREAT
FINISH
READING 1-30-42 DRAFT
FILCHMAN PWT CHECK
ROSENBAUM 2/4/42 STRUCT.
A LANE MAT.
GRONBERG 2/7/42 APPROV.
JCH WOLD ENG.
2-6-42
OPP. HAND NONE
NAME CABLE ASS'Y. - FURNS - RU JUNCTION BOX TO RU DYNAMOTOR
DWG. SIZE B
29F6500
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R


E.O. # A 30430
E.O. A92744
A -2 CABLE LENGTH "154" ADDED 4-27-42 KESTEK
B ON FACE ... CREATED -3 ASS'Y. ADDED -3 TO REQ. BLOCK & TO LENGTH BLOCK WITH LENGTH OF 63.
E.O. B1321
C ON FACE ... CREATED -4 ASS'Y. ADDED -4 TO REQ. BLOCK & TO LENGTH BLOCK WITH LENGTH OF 117. ADDED WT. BLOCK 4-12-43
D CH'GED LENGTH OF -3 FROM 63 TO 57. ADDED NOTE: M-421992-1 F. ... SHAFT ... REQUIRED LENGTH. CH'GED WT. OF -3 FROM .87 TO .74
LINKAGE SPLINE 430
LINKAGE SLEEVE 429
LINKAGE SHAFT 431
LINKAGE CASING 432
LINKAGE NUT 428
LINKAGE TAG-427
428
429
430
A
B M-421992-1 FOR -3 ASS'Y ONLY
L (SEE TABLE) A
NOTES
1. * DENOTES GOV. FURN. EQUIP.
38° 38°
432
429
SECTION A-A
NOA(S)464
M.C.R. 212-1
M.C.R. 212-1
M.C.R. 151-1-5
70496, 77713, 88476
CONT. 91876 (1 TO 69)
-3 PBY-5A 28F6955 1
-4 PBY-5 28F6955 1
-4 PBY-5A 28F6955 1
-3 PBY-5 28F6955 1
-2 PB2Y3 29U3040 1
-0 PBY-5A 28F5102 1
-0 PBY-5 28F5102 1
ASSY DASH NO MODEL NEXT ASSY REQ
REQUIREMENTS PER AIRPLANE
* M-421992-1 FLEXIBLE SHAFT ASS'Y 1
* #427 LINKAGE TAG 1 1 1
* #428 LINKAGE NUT 2 2 2
* #429 LINKAGE SLEEVE 2 2 2
* #430 LINKAGE SPLINE 2 2 2
* #431 LINKAGE SHAFT 1 1 1
* #432 CASING 1 1 1
PART NO STOCK MATERIAL SPEC REQ REQ REQ
PART ... ASSY -0 -2 -3 -4 -5
REPLACES NOTED CALC. WT.
REPLACED BY ACT. WT.
1/16 SCALE
STAMP PART NUMBER WHERE SHOWN
DASH No | L = LENGTH OF CABLE
-0 | 63
-2 | 154 A
B -3 | 57 D
C -4 | 117
C
ASS'Y DASH NO. | WT.
-0 | .87
-2 | 2.00
-3 | .74 D
-4 | 1.42
D NOTE: M-421992-1 FLEXIBLE SHAFT IS RECEIVED WITH ONE END ONLY ASSEMBLED. PARTS FOR OPPOSITE END ARE FURNISHED LOOSE TO BE ASSEMBLED AS PER DW'G AFTER SHAFT IS CUT TO REQUIRED LENGTH.
AC
NAVY
HEAT TREAT
READING 1-31-42
RWS OTTO 2-2-42
ROSENBAUM
RER
KLEIN 2-20-42
JCH
WOLD
NAME LINKAGE-FURN'S-REMOTE TUNER TO GF RECEIVER-MECHANICAL
CONSOLIDATED AIRCRAFT CORP SAN DIEGO CALIF
DWG B 29F6503
R 2-25-42



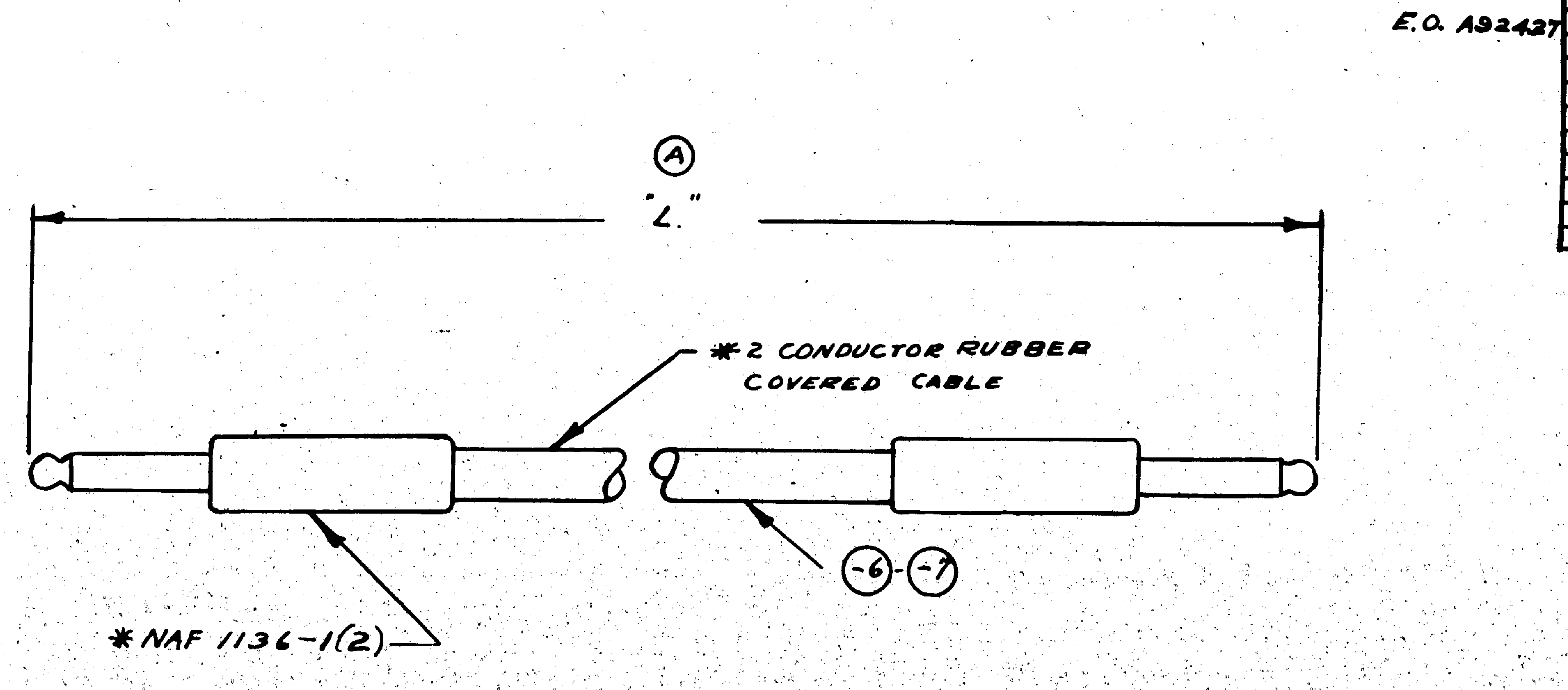
H IN REQ. BLK ADDED -4, PBY-5 W/28F6955(1) 1 LIMITED TO MCR 238C. LIMIT "91876 "90 TO MCR 238C" WAS "MCR144-3" FOR -3 ASSY FOR PBY-5 WT. .34# FOR -4 WAS .27#
J REPLACED -6 #18 AWG x 10, AN-JC-48 (1) WITH -10 #18 AWG x 13 AN-JC-48 (2) FOR -4 ASSY. IN LENGTH OF CABLE BLOCK FOR -4, 29 WAS 27. CREATED NEW DETAIL FOR -4 ASSY. WT. CHG. NEG.
C.R. #91325
LET
ALTERATION
DATE
BY
A63486 A ON FACE & IN B/M CREATED -3 ASSY. ADDED -3 TO L'GTH BL'K. REVISED 3-19-43 MITCHELL
A59034 B CH'GED L'GTH -0 FROM 48 TO 30. REMOVED NOTE-3 "LENGTH TO INSTALLATION" & "SEE NOTE 3" 3-19-43 MITCHELL
A94789 C ON FACE & IN B/M CH'GED #NAF1047-7 TO C.A.C. #CA71-909 & LENGTH FROM 10 TO 14. CH'GED #NAF1047-W7 TO C.A.C. #CA65-25 & L'GTH FROM 10 TO 6 CABLES WERE G.F.E. NOW C.A.C. CH'GED L'GTH -0 FROM 30 TO 20 3-19-43 MITCHELL
B2609 D ON FACE & IN B/M CREATED -4 ASS'Y. ADDED -4 TO REQ. BLOCK & L'GTH BLOCK 3-19-43 MITCHELL
E TO FACE ADDED DIMS 4 & 12 FOR -9 ASSY 3-19-43 NIEMI
B3515 F CREATED -9 ASS'Y. ADDED -9 TO REQ. BLOCK & LENGTH BLOCK
G CORRECTED WT. -0. ADDED WT. FOR -2, -3, -4 3-19-43 MITCHELL
CLEAN, WRAP SECURELY & SOLDER
L
C.A.C. #CA71-#909 TINNED COPPER CABLE
*ESO-677960-4
*ESO 677956-1
BLACK WIRE ONLY 12
WHITE WIRE ONLY 4
TRIM & TIN BLACK & WHITE 1/2
C.A.C. #CA65-25
3/4
1
1/4
SEE NOTE 1
BM-262 (2) (SEE NOTE 2)
NOTES:
1. COVER INDICATED ASSEMBLY WITH 1 LAYER OF RUBBER & 1 LAYER OF FRICTION TAPE.
2. REMOVE 2 END BEADS FROM TRANS. LINE & REPLACE WITH 2 BM-262 BAKELITE BEADS.
4. * DENOTES G.F.E.
5. FOR ASSEMBLY OF ESO 677956-1 SEE 29F6836
FOR -9 ASS'Y
DIELECTRIC
CONDUCTOR FOR -4 ASSY
TRIM & TIN
SHIELDING
PT-5 CABLE
5/16
1/8
4
5/8
11
-10
-6
12 FOR -9 ASS'Y ONLY
11 FOR -4 ASSY ONLY
TRIM 2" WRAP & SOLDER
CSX-49195 PLUG
DETAIL -4 & -9 ASS'Y
TRIMMING TYPICAL VIEW UNLESS OTHERWISE SPECIFIED
M.C.R.-R117
M.C.R.-305
M.C.R. 222
M.C.R. 144
C#91876 #90 TO MCR 238C
SHIPS 1-348 TO M.C.R. 305
DASH NO | LENGTH OF CABLE
-0 | 20
-2 | 108
-3 | 27
-4 | 29
-9 | 20
ASS'Y DASH NO | WT.
-0 | .15
-2 | .67
-3 | .27
-4 | .34
-9 | .30
-9 PB2Y-3R 29U3040 1
-9 PB2Y-3 29U3040 1
-4 PBY-5A 28F5425 1
-2 PBY-5A 28F5425 1
-3 PBY-5 28F6955 1
-0 PB2Y-3 29U3040 1
MCR 238C -4 PBY-5 28F6955 1
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
-10 #18 AWG x 13" AN-JC-48
*PT-5 CABLE
*PT-5 CABLE
*CSX-49195 PLUG
-6 #18 AWG x 10" AN-JC-48
*BM-262
*ESO-677960-4 (BELL TEL LAB PART NO.)
*ESO 677956-1
C.A.C. #65-25 UNSHIELDED FLAME PROOF CABLE x 6
C.A.C. #71-#909 TINNED COPPER CABLE x 14
PART No. | STOCK | MATERIAL | SPEC.
PARTS LIST PER ASSY.
REQ. -0 -2 -3 -4 -9
REPLACES
NOTED CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±1/32
SCALE SKETCH
STAMP PART NUMBER WHERE SHOWN
NAVY NONE
NONE
HEAT TREAT
FINISH
ARNTSON
DRAFT CHECK STRUCT. MAT. APPROV. ENG.
OPP. HAND
NAME CABLE ASSY - FURNS - ZB SWITCHING RELAY TO RECEIVER
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
B 29F6834
R



FLEXIBLE CONCENTRIC TRANS. LINE
H5 H7 H4 B C H2 H3 H2 H1
A
E1
DETAIL A
*ESO-677960-4
*ESO 677956-1 SEE DETAIL A
L
ASSEMBLY PROCEEDURE DETAIL A
REMOVE H5. REMOVE E1. REMOVE FERRULE H6 FROM H4. PASS H1, H2, H3, & H4 DOWN THE LINE ABOUT 3 IN. REMOVE RUBBER AND COTTON INSULATION FOR INDICATED DISTANCE AC, REMOVE SHIELDING FOR DISTANCE AB. REMOVE 2 END BEADS & REPLACE WITH 2 OR 3 (BM-262) BAKELITE BEADS. FLARE SHIELDING & INSERT FERRULE H6 UNDER SHIELDING. SOLDER & SOLDER LAYER OF -5 (#30 GAGE) TINNED COPPER WIRE SECURELY AROUND SHIELDING. PASS E1 OVER A AND SOLDER AT TIP OF CONTACT PIN. REMOVE EXCESS CONDUCTOR (A) & SOLDER E1 SHOULD FIT AGAINST H6 AS SHOWN. PLACE H7 ON H5 & H5 ON E1. ASSEMBLE H4 ON H5. HOLD H5 WITH SCREW DRIVER IN SLOTS TO PREVENT ROTATION WHILE TIGHTENING NUT H4. TIGHTEN H1 & (H2 & H3) ON H4. HOLD H4 & FLEX LINE STATIONARY DURING THIS OPERATION
CSX-49195 (PLUG)
PT-5 CABLE
SHIELDING
CONDUCTOR
5/16
1/8
5/8
TRIMMING TYPICAL FOR BOTH ENDS CABLE
DIELECTRIC
-41-6 ASS'YS
2. * DENOTES G.F.E.
LET | ALTERATION | DATE | BY
A | CREATED -3 ASS'Y. ADDED -3, L'GTH 14 TO L'GTH BLOCK. IN REQ. BLOCK -3 WAS -2 & 1/A 28F6955 WAS 28F5475. IN B/M REMOVED 18" DIM FROM #ESO-677960-4. | 3-24-43
B | ADDED .15 TO CALC. WT. IN LENGTH BLOCK 20 WAS 48. REMOVED NOTE "SEE NOTE #1" FROM L'GTH BLOCK. REMOVED NOTE 1. "LENGTH TO BE DETERMINED AT FIRST INST'L'N." | 3-24-43
C | ON FACE & IN B/M CREATED -4 ASS'Y. ADDED -4, L'GTH 13 TO L'GTH. BLOCK, ADDED -4, PBY-5A 1/A 28F6955 (1) TO REQ. BLOCK. | 3-24-43
D | ON FACE & IN B/M CREATED -6 ASS'Y. ADDED -6, L'GTH 20 TO L'GTH BLOCK IN REQ. BLOCK, ADDED -6, PB2Y-3 1/A 29U3040 (1) REQ. & -6, PB2Y-3R, 1/A 29U3040 (1) REQ. CH'GED LIMITATIONS FOR -0 FROM SHIPS #1,3,8 & ON TO SHIPS #1,3,8 TO M.C.R. 305 & R117 | 3-24-43
E | CORRECTED WT. -0. ADDED WT. -2,3,4,6 | 3-24-43
A63483
A59035
B2025
B3512
F | REMOVED -4 ASS'Y. ADDED -4 ASS'Y & REMOVED TO MCR 238C ADDED -4 | 3-24-43
G | L'GTH 13 TO LENGTH BLK & -4 WT. .25 TO WTS. BLK. ADDED -4 PBY-5 1/A 28F6955 (1) TO REQ. BLK. -3 LIMIT "C91876 #90 TO M.C.R 238C" WAS "M.C.R. 144-3"
MCR 238B-1
MCR 238C
-6 | PB2Y-3R | 29U3040 | 1 | M.C.R-R117
-6 | PB2Y-3 | 29U3040 | 1 | M.C.R.-305
-4 | PBY-5 | 28F6955 | 1 | MCR 238C
-2 | PBY-5A | 28F5975 | 1 | M.C.R 144
-3 | PBY-5 | 28F6955 | 1
-0 | PB2Y-3 | 29U3040 | 1
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
C.91876 #90 TO MCR 238C
SHIPS #1-3,8 TO MCR-305 & R117
REPLACES | NOTED CALC. WT.
REPLACED BY | ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE SKETCH
STAMP PART NUMBER WHERE SHOWN
*CSX-49195 PLUG | 2 | 2
*PT-5 CABLE | 1 | 1
*ESO-677960-4 (BELL TEL LAB NO) | 1 | 1 | 1
*ESO-677956-1 | 2 | 2 | 2
PART NO | STOCK | MATERIAL | SPEC. | LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -6
PARTS LIST PER ASSY.
DASH NO | LENGTH OF CABLE
-0 | 20
-2 | 18
-3 | 14
-4 | 13
-6 | 20
APPROX LENGTH ONLY
ASS'Y DASH NO. | WT.
-0 | .23
-2 | .22
-3 | .20
-4 | .25
-6 | .37
AC
NAVY NONE | NONE
HEAT TREAT | FINISH
7/20/42
DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
NAME CABLE ASS'Y.-FURNS-ZB HOMING ADAPTER TO ZB SWITCHING RELAY
OPP. HAND
DWG. SIZE B
29F6836
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
29F6836
R

E.O. A92427

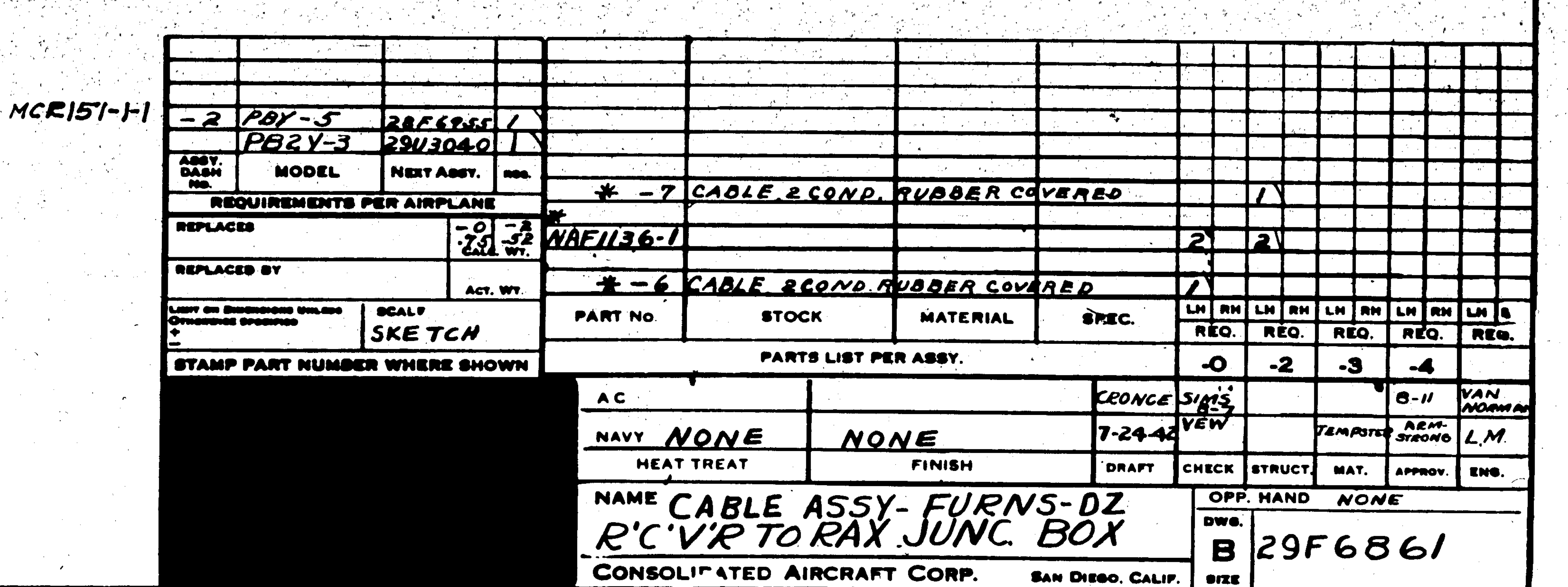
LET	ALTERATION	DATE	BY
A	ON BM ADDED -6 TO EXISTING CABLE. IN -0 ASSY CREATED -2 ASSY. IN REQ. BLOCK ADDED -2 ASSY FOR PBY-5. ON FACE OF DRAWING REMOVED 15'-0 DIM & REPLACED WITH "L". ADDED LENGTH BLOCK TO FACE OF DRAWING. WT CHG -2 ASSY .52	4-1-43	SHELTON



Ⓐ

DASH Nº	L-LENGTH OF CABLE
-0	15'-0"
-2	7'-2"

* DENOTES GOV'T FURN EQUIP.



MCR151-1-1

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
-2	PBY-5	28F6955	1
	PB2Y-3	29U3040	1

REQUIREMENTS PER AIRPLANE

REPLACES	CALC. WT. -0	CALC. WT. -2
	.75	.52

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± — SCALE: SKETCH

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ.
* -7	CABLE 2 COND. RUBBER COVERED				1			
* NAF1136-1				2	2			
* -6	CABLE 2 COND. RUBBER COVERED			1				

PARTS LIST PER ASSY.

[redacted]

AC		CRONCE	SIMS 8-7			8-11	VAN NORMAN	
NAVY NONE	NONE	7-24-42	VEW		TEMPSTER	ARMSTRONG	L.M.	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.	

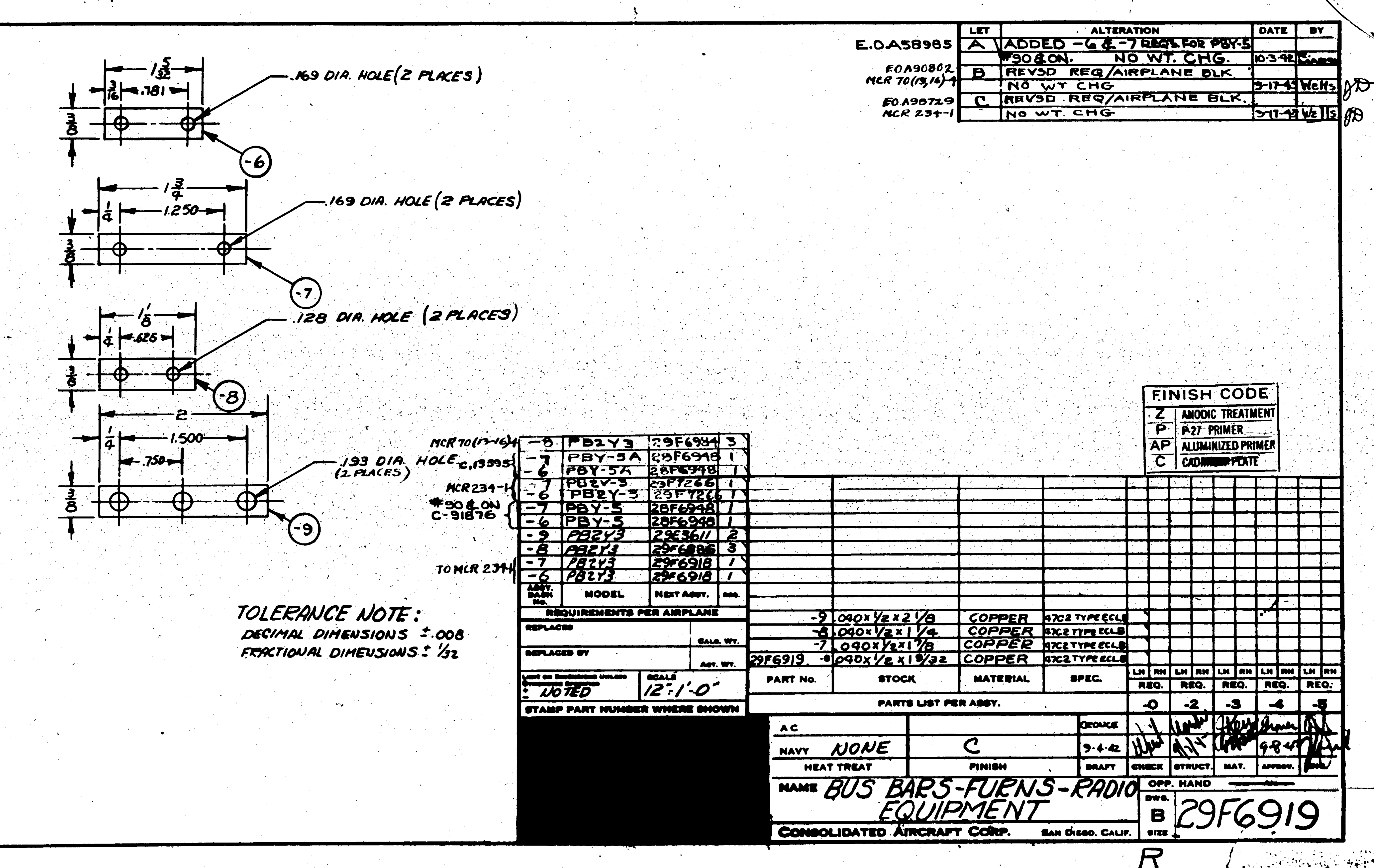
NAME CABLE ASSY- FURNS-DZ R'C'V'R TO RAX JUNC. BOX

OPP. HAND NONE

DWG. SIZE B — 29F6861

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R



E.O.A58985
EOA90802 MCR 70(13,16)-4
EO.A98729 MCR 234-1
LET | ALTERATION | DATE | BY
A | ADDED -6 & -7 REQS FOR PBY-5 #90 & ON. NO WT. CHG. | 10-3-42
B | REVSD REQ/AIRPLANE BLK NO WT CHG | 9-17-43 | Wells
C | REVSD REQ/AIRPLANE BLK. NO WT. CHG | 5-17-43
.169 DIA. HOLE (2 PLACES)
.169 DIA. HOLE (2 PLACES)
.128 DIA. HOLE (2 PLACES)
.193 DIA. HOLE (2 PLACES)
1 5/32
3/16
.781
3/8
1 3/4
1/4
1.250
1 1/8
.625
2
1.500
.750
-6
-7
-8
-9
TOLERANCE NOTE:
DECIMAL DIMENSIONS ±.008
FRACTIONAL DIMENSIONS ± 1/32
FINISH CODE
Z ANODIC TREATMENT
P P27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
MCR 70(13-16)-4 | -8 | PB2Y3 | 29F6984 | 3
C.13595 | -7 | PBY-5A | 28F6948 | 1
| -6 | PBY-5A | 28F6948 | 1
MCR 234-1 | -7 | PB2Y-5 | 29F7266 | 1
| -6 | PB2Y-5 | 29F7266 | 1
#90 & ON C-91876 | -7 | PBY-5 | 28F6948 | 1
| -6 | PBY-5 | 28F6948 | 1
| -9 | PB2Y3 | 29E3611 | 2
| -8 | PB2Y3 | 29F6886 | 3
TO MCR 234-1 | -7 | PB2Y3 | 29F6918 | 1
| -6 | PB2Y3 | 29F6918 | 1
ASSY. DASH No. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE NOTED
± NOTED
SCALE 12"=1'-0"
STAMP PART NUMBER WHERE SHOWN
-9 | .040 x 1/2 x 2 1/8 | COPPER | 47C2 TYPE ECLB
-8 | .040 x 1/2 x 1 1/4 | COPPER | 47C2 TYPE ECLB
-7 | .090 x 1/2 x 1 7/8 | COPPER | 47C2 TYPE ECLB
29F6919 -6 | .090 x 1/2 x 1 5/32 | COPPER | 47C2 TYPE ECLB
PART No. | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY NONE
HEAT TREAT
C
FINISH
9-4-42
DRAFT | CHECK | STRUCT. | MAT. | APPROV.
9-8-42
OPP. HAND
NAME BUS BARS-FURNS-RADIO EQUIPMENT
DWG. SIZE B
29F6919
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R

LET	ALTERATION	DATE	BY
H	TRACED	7-19-43	[illegible]

32F 314

USE SAME PATTERN AS FOR # 01-F346

NOTE
1. PART NO. 32F314 TO APPEAR BELOW FOUNDRY MARKING
2. ALTERNATE MATERIAL FOR -6: AL. AL. SPEC. AN-A-5 CL II, 32,000 P.S.I.

DASH No.	MODEL	NEXT ASSY.	QTY.	
-6	B24H	32F36744	1	MCR 202 A3
-6	B24K	32F36744	1	
-6	B24D	32F36744	1	MCR 202 A3
-6	PBY-5	28F6788	1	C#91876 #90 & ON
-6	B24E	32F7686	1	
-6	B24E	32F4595	1	MCR 272 (1)
-6	B24D	32F7686	1	#1 TO M.C.R. 272 (1)
-6	B24D	28F1272	1	
-6	B24D	32F6060	2	#1 TO 997
-6	B24D	32F3106	1	#1 TO 369
-6	B24D	32F4595	1	#370 TO MCR 202A3
-6	PB2Y-3	32F6060	2	#1 TO 59
-6	PB2Y-3	28F1272	1	
-6	PB2Y-2	29B1444	2	
-6	XPB-2Y3	32F6060	2	
-6	28S-AMC [illegible]	28F1272	2EA	
-6	28S-MC&MN	28F1272	2EA	
-6	PB2Y-2&3	29H1189	4EA	
-6	PBY-5A	28F1272	3	
-6	PBY-5	28F1272	3	
-6	PB2Y-2	28F1272	1	
-6	PB2Y-2	28G1050	1	
-6	PB2Y-2&3	29G1044	2EA	

REQUIREMENTS FOR AIRPLANE

REPLACES 32F314 9-11-39 | CALC. WT.

REPLACED BY | ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 | SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	LH	RH	LH	RH	LH	RH	LH	RH	LH	RH
-6	ROUGH CASTING	AL. AL.	AN-QQ-A-390 II										
				REQ.		REQ.		REQ.		REQ.		REQ.	
PARTS LIST PER ASSY.				-0		-2		-3		-4		-5	

AC 29,000 P.S.I.	ZF-32-001	BOULEY	G.F.		HWH	OWEN	
NAVY 29,000 P.S.I.	NONE	9-11-39					
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

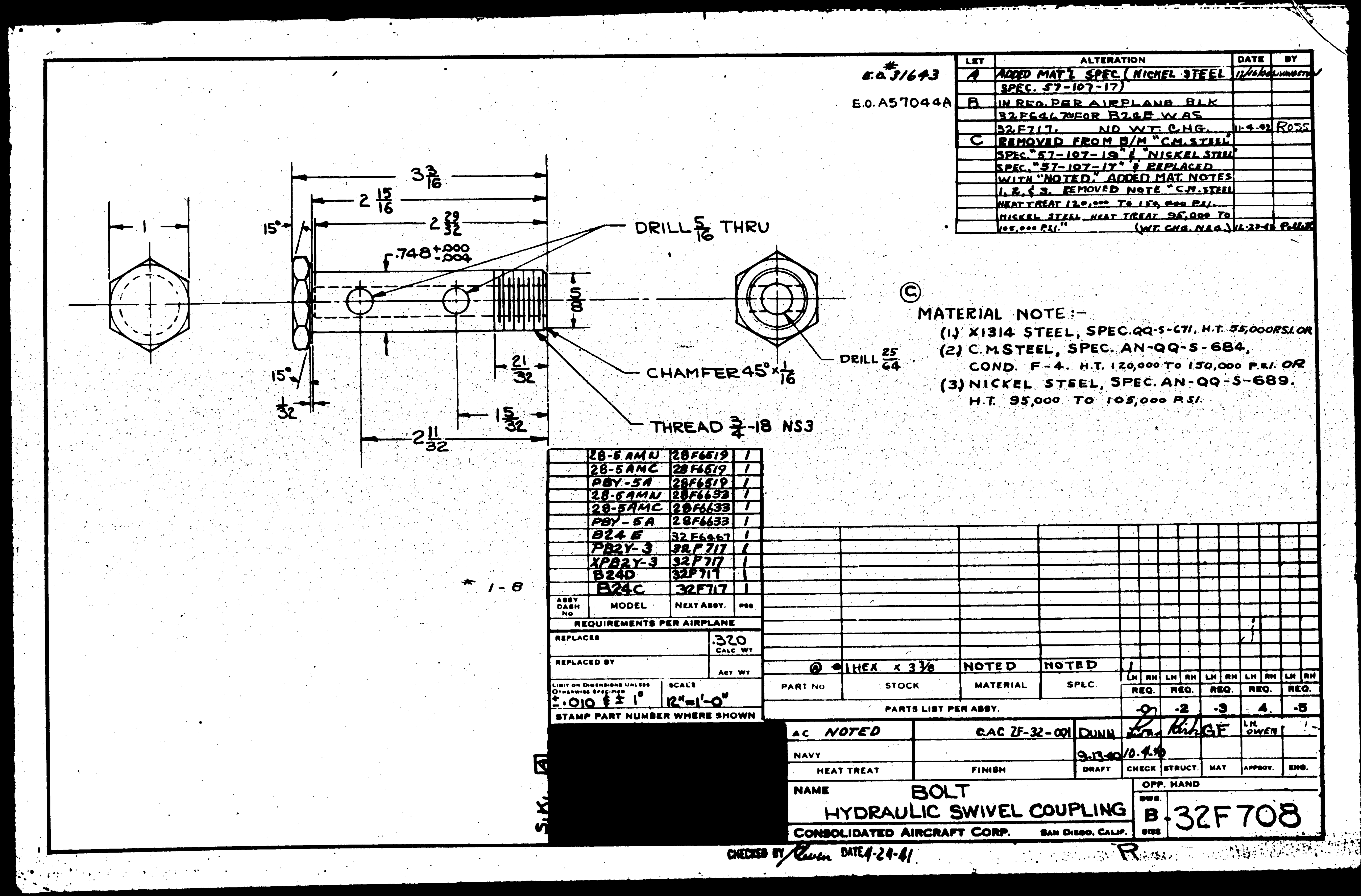
OPP. HAND

NAME HANDLE PARKING BRAKE

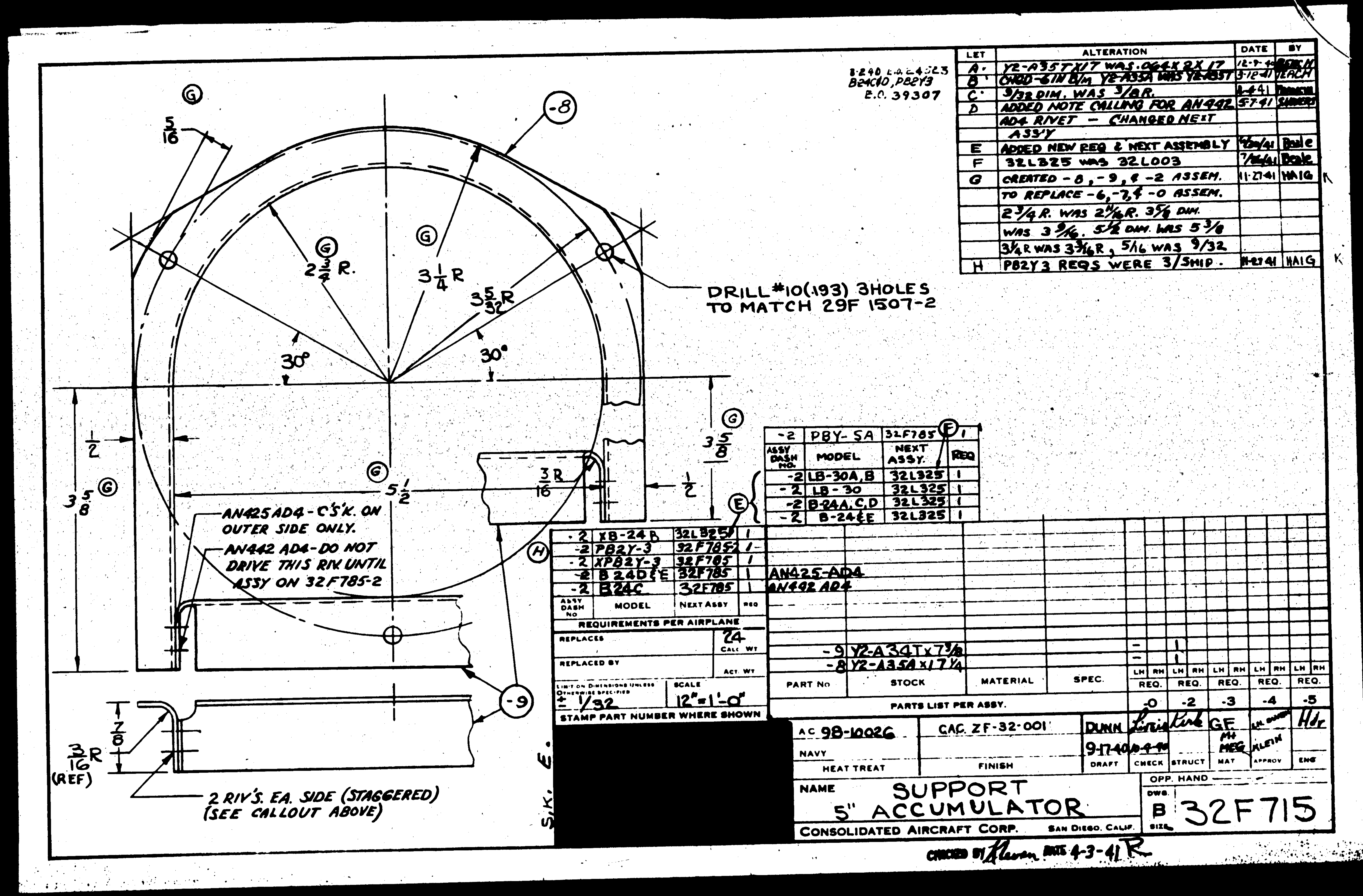
DWG. SIZE B | 32F 314

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

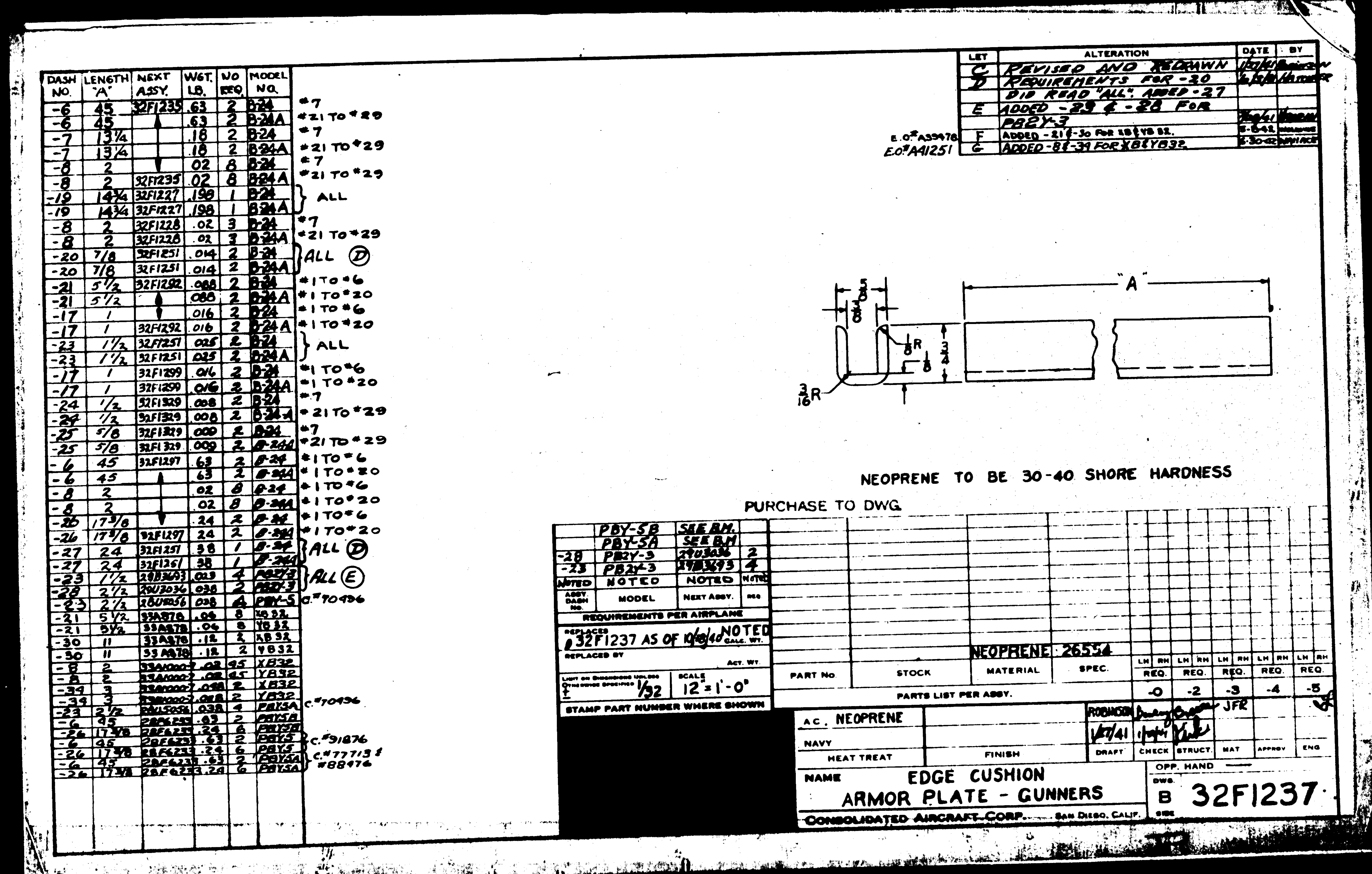
R



E.O.# 31643
E.O. A57044A
LET | ALTERATION | DATE | BY
A | ADDED MAT'L SPEC. (NICKEL STEEL SPEC. 57-107-17)
B | IN REQ. PER AIRPLANE BLK 32F6467 FOR B24E WAS 32F717. NO WT. CHG. | 11-4-42 | ROSS
C | REMOVED FROM B/M "C.M. STEEL" SPEC. "57-107-19" & "NICKEL STEEL" SPEC. "57-107-17" & REPLACED WITH "NOTED." ADDED MAT. NOTES 1, 2, & 3. REMOVED NOTE "C.M. STEEL HEAT TREAT 120,000 TO 150,000 PSI. NICKEL STEEL, HEAT TREAT 95,000 TO 105,000 PSI." (WT. CHG. NEG.)
3 3/16
2 15/16
2 29/32
1
15°
DRILL 5/16 THRU
.748 +.000 -.004
5/8
21/32
15/32
2 11/32
1/32
CHAMFER 45° x 1/16
THREAD 3/4-18 NS3
DRILL 25/64
© MATERIAL NOTE:-
(1) X1314 STEEL, SPEC. QQ-S-671, H.T. 55,000 P.S.I. OR
(2) C.M. STEEL, SPEC. AN-QQ-S-684, COND. F-4. H.T. 120,000 TO 150,000 P.S.I. OR
(3) NICKEL STEEL, SPEC. AN-QQ-S-689. H.T. 95,000 TO 105,000 P.S.I.
* 1-8
28-5AMN | 28F6519 | 1
28-5AMC | 28F6519 | 1
PBY-5A | 28F6519 | 1
28-5AMN | 28F6633 | 1
28-5AMC | 28F6633 | 1
PBY-5A | 28F6633 | 1
B24E | 32F6467 | 1
PB2Y-3 | 32F717 | 1
XPB2Y-3 | 32F717 | 1
B24D | 32F717 | 1
B24C | 32F717 | 1
ASSY DASH NO | MODEL | NEXT ASSY. | REQ
REQUIREMENTS PER AIRPLANE
REPLACES | .320 CALC. WT.
REPLACED BY | ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±.010 & ±1° | SCALE 12"=1'-0"
STAMP PART NUMBER WHERE SHOWN
1 HEX x 3 3/8 | NOTED | NOTED | 1
PART NO | STOCK | MATERIAL | SPEC. | LH RH REQ. -2 REQ. -3 REQ. 4 REQ. -5 REQ.
PARTS LIST PER ASSY.
AC NOTED | CAC ZF-32-001 | DUNN | GF | OWEN
NAVY | 9-13-40 | 10-4-40
HEAT TREAT | FINISH | DRAFT | CHECK | STRUCT. | MAT | APPROV. | ENG.
OPP. HAND
NAME BOLT HYDRAULIC SWIVEL COUPLING
DWG. SIZE B 32F708
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
[redacted]
CHECKED BY Owen DATE 1-24-41
R



B-24D LB-24 B23
B24C/D, PB2Y3
E.O. 39307
LET | ALTERATION | DATE | BY
A | Y2-A35T X17 WAS .064 X 2 X 17 | 12-9-40
B | CH'GD -6 IN B/M Y2-A35A WAS Y2-A35T | 3-12-41 | LEACH
C | 3/32 DIM. WAS 3/8 R. | 4-4-41
D | ADDED NOTE CALLING FOR AN442 AD4 RIVET — CHANGED NEXT ASS'Y | 5-7-41
E | ADDED NEW REQ & NEXT ASSEMBLY | Boyle
F | 32L325 WAS 32L003 | Boyle
G | CREATED -8, -9, & -2 ASSEM. TO REPLACE -6, -7, & -0 ASSEM. 2 3/4 R. WAS 2 11/16 R. 3 5/8 DIM. WAS 3 9/16. 5 1/2 DIM. WAS 5 3/8 3 1/4 R WAS 3 3/16 R, 5/16 WAS 9/32 | 11-27-41 | HAIG
H | PB2Y3 REQS WERE 3/SHIP. | 11-27-41 | HAIG
5/16
2 3/4 R.
3 1/4 R
3 5/32 R
30°
30°
DRILL #10 (.193) 3 HOLES TO MATCH 29F 1507-2
1/2
3 5/8
5 1/2
3/16 R
1/2
3 5/8
AN425 AD4 - C'S'K. ON OUTER SIDE ONLY.
AN442 AD4 - DO NOT DRIVE THIS RIV. UNTIL ASSY ON 32F785-2
7/8
3/16 R (REF)
2 RIV'S. EA. SIDE (STAGGERED) (SEE CALLOUT ABOVE)
-2 | PBY-5A | 32F785 | 1
ASSY DASH NO. | MODEL | NEXT ASSY. | REQ
-2 | LB-30A, B | 32L325 | 1
-2 | LB-30 | 32L325 | 1
-2 | B-24A, C, D | 32L325 | 1
-2 | B-24 & E | 32L325 | 1
-2 | XB-24B | 32L325 | 1
-2 | PB2Y-3 | 32F785-2 | 1
-2 | XPB2Y-3 | 32F785 | 1
-2 | B24D & E | 32F785 | 1
-2 | B24C | 32F785 | 1
ASSY DASH NO | MODEL | NEXT ASSY | REQ
REQUIREMENTS PER AIRPLANE
REPLACES
24
CALC. WT
REPLACED BY
ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
AN425-AD4
AN442 AD4
-9 Y2-A34T x 7 3/8
-8 Y2-A35A x 17 1/4
PART No | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 | -2 | -3 | -4 | -5
PARTS LIST PER ASSY.
[redacted]
AC 98-10026
CAC ZF-32-001
NAVY
HEAT TREAT
FINISH
DUNN
9-17-40
DRAFT | CHECK | STRUCT | MAT | APPROV | ENG
KLEIN
OPP. HAND
NAME SUPPORT 5" ACCUMULATOR
DWG. SIZE B 32F715
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
CHECKED BY Klevan DATE 4-3-41 R
S.K. E.



DASH NO.	LENGTH "A"	NEXT ASSY.	WGT. LB.	NO REQ.	MODEL NO.	
-6	45	32F1235	.63	2	B-24	#7
-6	45	↑	.63	2	B-24A	#21 TO #29
-7	13¼		.18	2	B-24	#7
-7	13¼		.18	2	B-24A	#21 TO #29
-8	2	↓	02	8	B-24	#7
-8	2	32F1235	.02	8	B-24A	#21 TO #29
-19	14¾	32F1227	.198	1	B-24	} ALL
-19	14¾	32F1227	.198	1	B-24A	
-8	2	32F1228	.02	3	B-24	#7
-8	2	32F1228	.02	3	B-24A	#21 TO #29
-20	7/8	32F1251	.014	2	B-24	} ALL (D)
-20	7/8	32F1251	.014	2	B-24A	
-21	5½	32F1292	.088	2	B-24	#1 TO #6
-21	5½	↑	.088	2	B-24A	#1 TO #20
-17	1	↓	.016	2	B-24	#1 TO #6
-17	1	32F1292	.016	2	B-24A	#1 TO #20
-23	1½	32F1251	.025	2	B-24	} ALL
-23	1½	32F1251	.025	2	B-24A	
-17	1	32F1299	.016	2	B-24	#1 TO #6
-17	1	32F1299	.016	2	B-24A	#1 TO #20
-24	½	32F1329	.008	2	B-24	#7
-24	½	32F1329	.008	2	B-24A	#21 TO #29
-25	5/8	32F1329	.009	2	B-24	#7
-25	5/8	32F1329	.009	2	B-24A	#21 TO #29
-6	45	32F1297	.63	2	B-24	#1 TO #6
-6	45	↑	.63	2	B-24A	#1 TO #20
-8	2		.02	8	B-24	#1 TO #6
-8	2		.02	8	B-24A	#1 TO #20
-26	17⅜	↓	.24	2	B-24	#1 TO #6
-26	17⅜	32F1297	24	2	B-24A	#1 TO #20
-27	24	32F1251	.38	1	B-24	} ALL (D)
-27	24	32F1261	.38	1	B-24A	
-23	1½	29B3693	.023	4	PB2Y-3	} ALL (E)
-28	2½	29U3036	.038	2	PB2Y-3	
-23	2½	26U5056	.038	4	PBY-5	C.#70496
-21	5½	33A878	.06	8	XB32	
-21	5½	33A878	.06	8	YB32	
-30	11	33A878	.12	2	XB32	
-30	11	33A878	.12	2	YB32	
-8	2	33A10007	.02	45	XB32	
-8	2	33A10007	.02	45	YB32	
-39	3	33A10007	.028	2	XB32	
-39	3	33A10007	.028	2	YB32	
-23	2½	26U5056	.038	4	PBY5A	C.#70496
-6	45	28F6255	.63	2	PBY5A	
-26	17⅜	28F6255	.24	6	PBY5A	
-6	45	28F6233	.63	2	PBY5	} C.#91876
-26	17⅜	28F6233	.24	6	PBY5	
-6	45	28F6233	.63	2	PBY5A	} C.#77713 & #88476
-26	17⅜	28F6233	.24	6	PBY5A	

	LET	ALTERATION	DATE	BY
	C	REVISED AND REDRAWN	[illegible]	Robinson
	D	REQUIREMENTS FOR -20 DID READ "ALL"; ADDED -27	[illegible]	Hartmeier
	E	ADDED -23 & -28 FOR PB2Y-3	[illegible]	[illegible]
E.O.# A39978	F	ADDED -21 & -30 FOR XB & YB 32.	5-6-42	[illegible]
E.O.# A41251	G	ADDED -8 & -39 FOR XB & YB32.	5-30-42	[illegible]

NEOPRENE TO BE 30-40 SHORE HARDNESS

PURCHASE TO DWG.

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5B	SEE B.M.	
	PBY-5A	SEE B.M.	
-28	PB2Y-3	29U3036	2
-23	PB2Y-3	29B3693	4
NOTED	NOTED	NOTED	NOTED

REQUIREMENTS PER AIRPLANE

REPLACES 32F1237 AS OF 10/8/40 — CALC. WT. NOTED

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	LH RH REQ. -0	LH RH REQ. -2	LH RH REQ. -3	LH RH REQ. -4	LH RH REQ. -5
		NEOPRENE	26554					

PARTS LIST PER ASSY.

A.C. NEOPRENE

NAVY

HEAT TREAT — FINISH

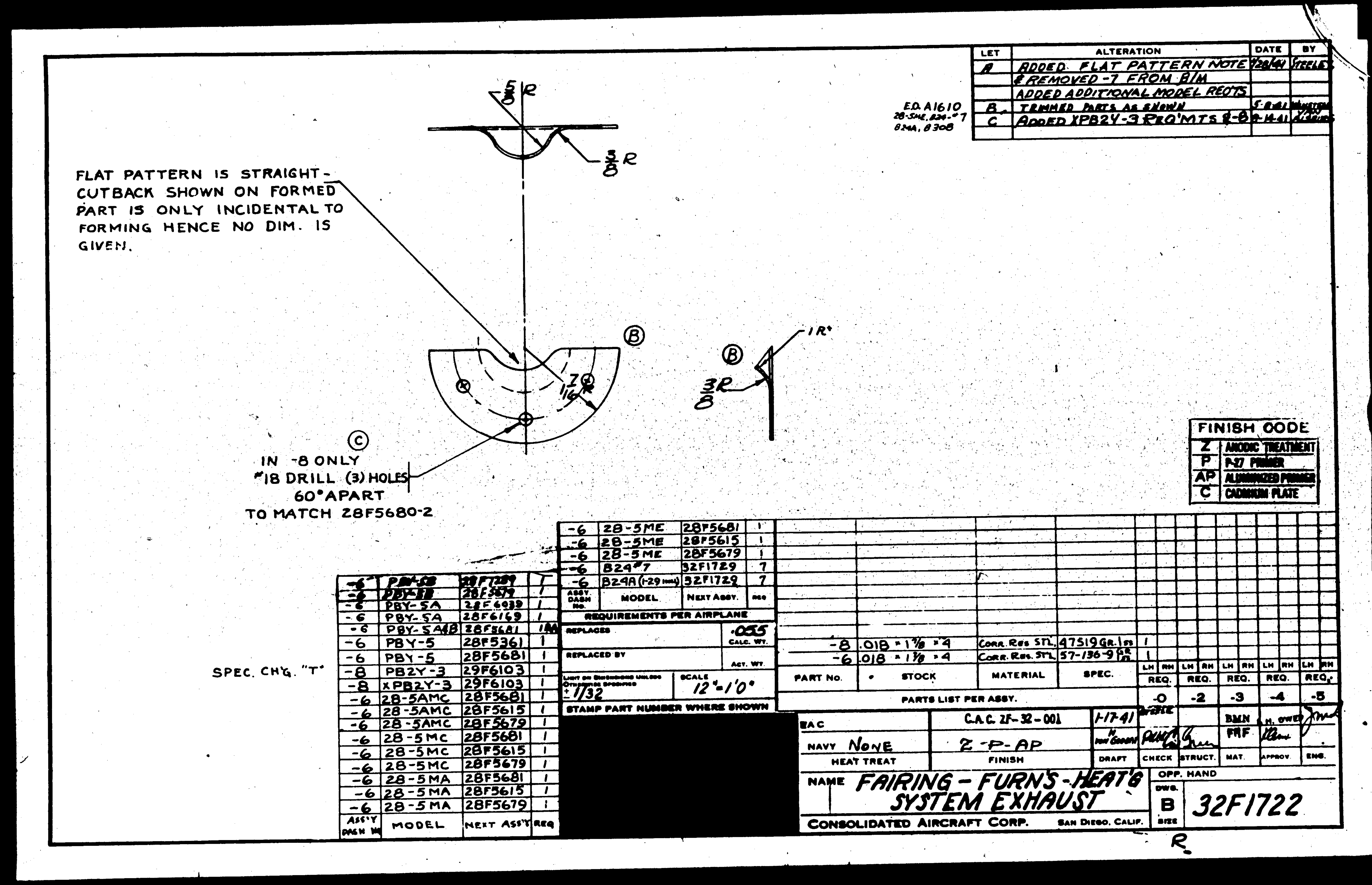
DRAFT	CHECK	STRUCT.	MAT	APPROV	ENG
ROBINSON 1/27/41	[illegible]	[illegible]	JFR		[illegible]

OPP. HAND —

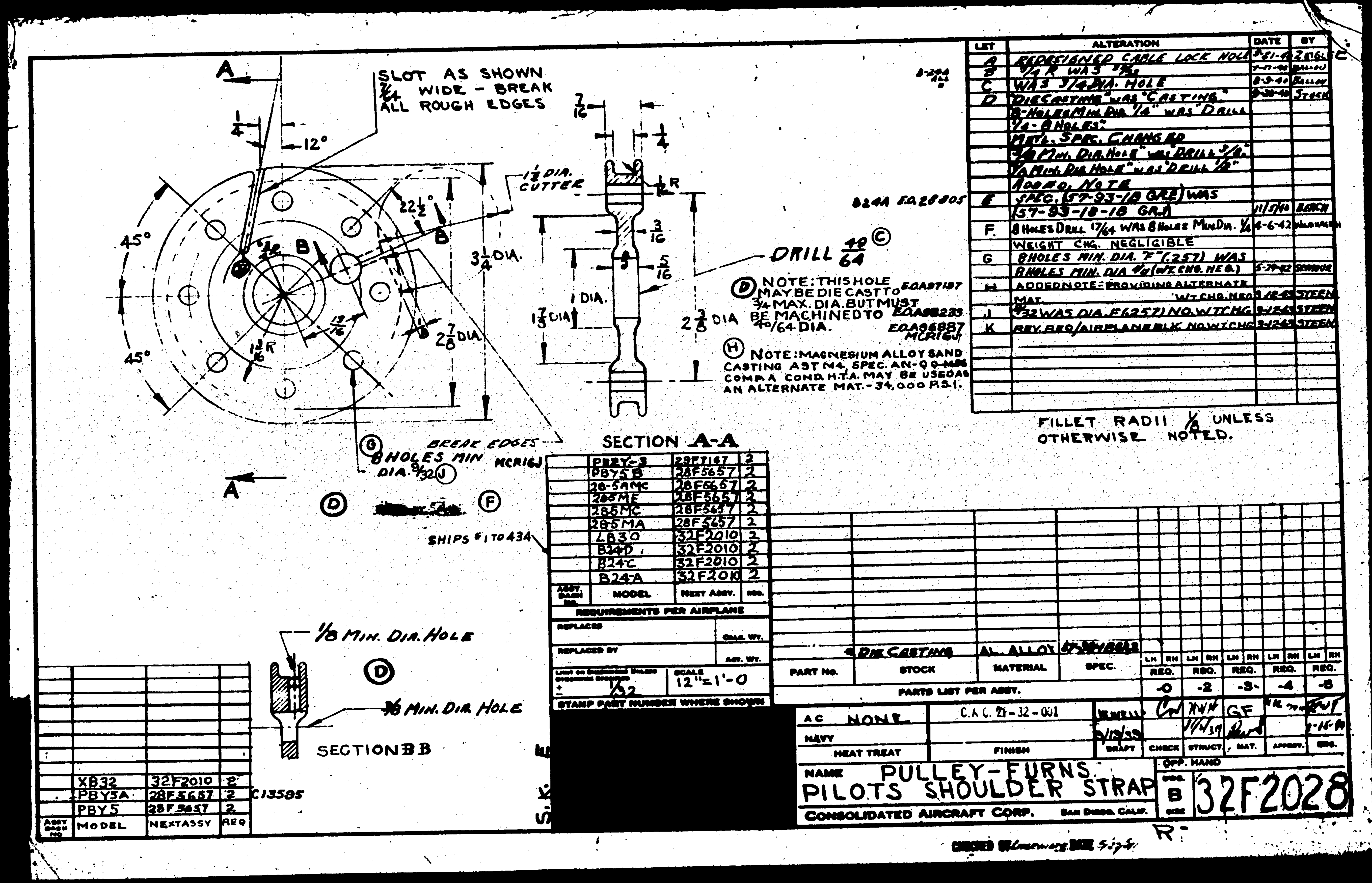
NAME EDGE CUSHION ARMOR PLATE - GUNNERS

DWG. SIZE B 32F1237

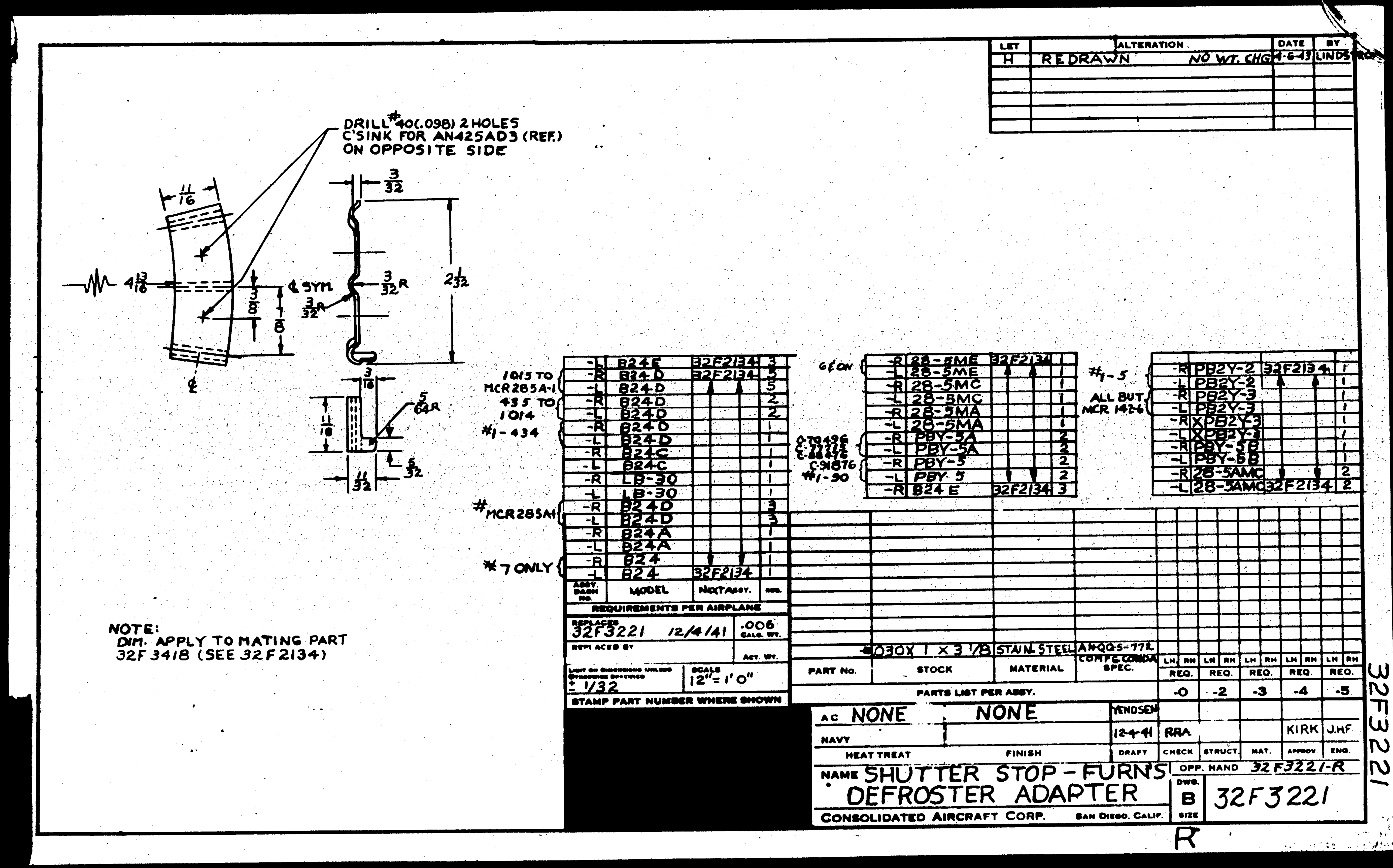
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

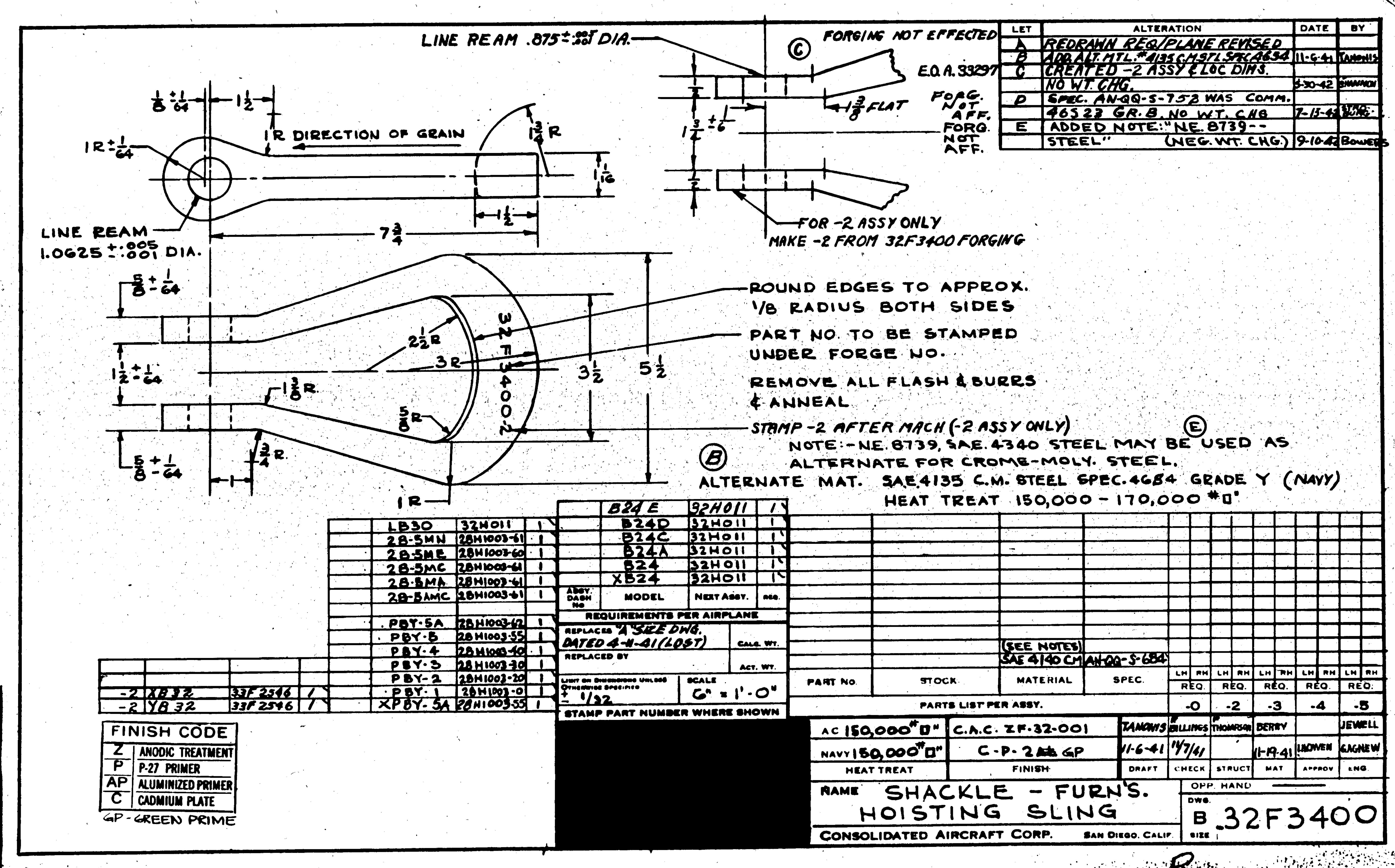


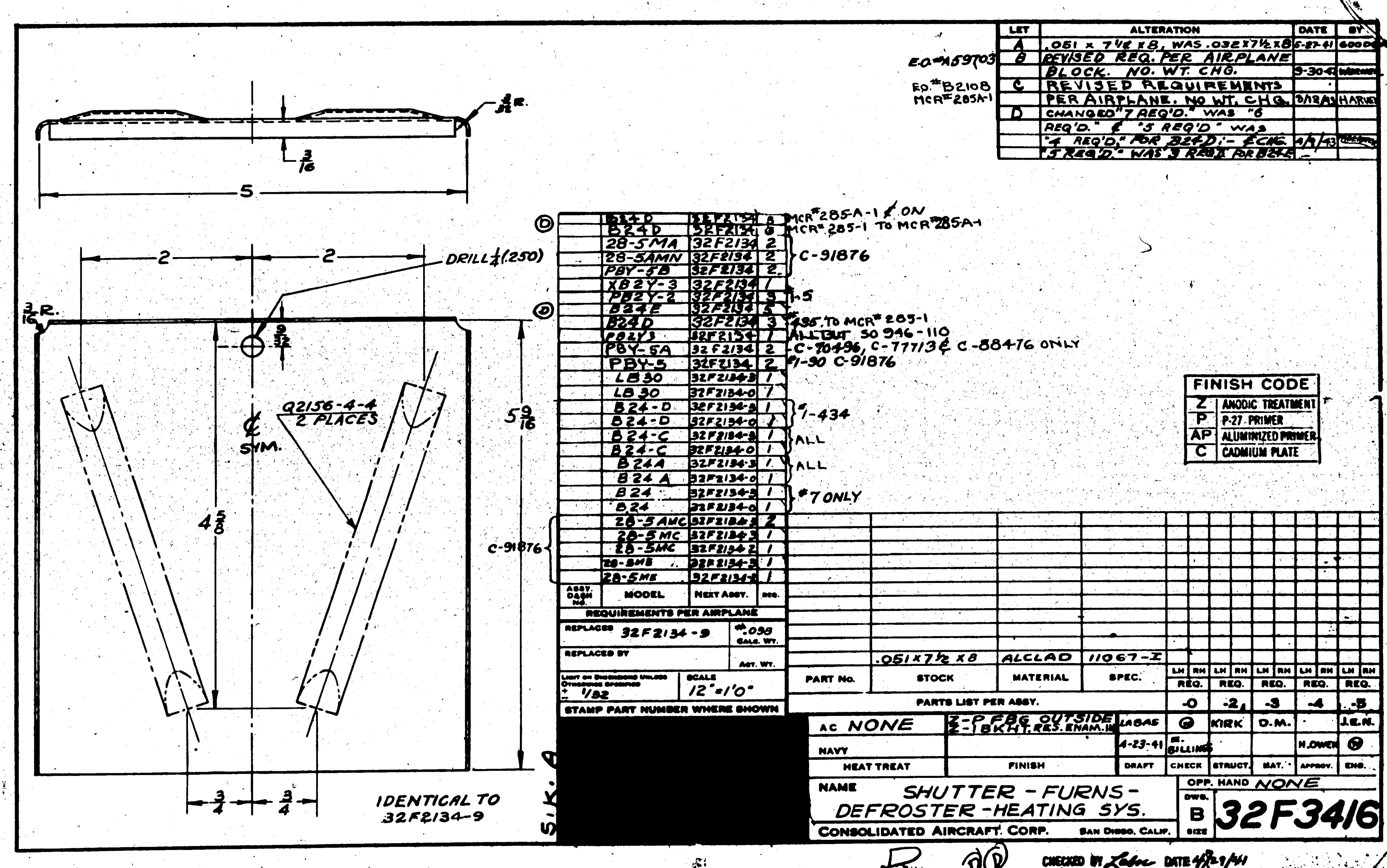
LET | ALTERATION | DATE | BY
A | ADDED FLAT PATTERN NOTE & REMOVED -7 FROM B/M | STEELE
ADDED ADDITIONAL MODEL REQTS
B | TRIMMED PARTS AS SHOWN | 5-8-41
C | ADDED XPB2Y-3 REQ'MTS & -8 | 9-14-41
E.O. A1610
28-5ME, B24-#7
B24A, 8308
5/8 R
3/8 R
FLAT PATTERN IS STRAIGHT - CUTBACK SHOWN ON FORMED PART IS ONLY INCIDENTAL TO FORMING HENCE NO DIM. IS GIVEN.
B
7/16 R
B
1R
3/8 R
C
IN -8 ONLY
#18 DRILL (3) HOLES
60° APART
TO MATCH 28F5680-2
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
SPEC. CHG. "T"
-6 28-5ME 28F5681 1
-6 28-5ME 28F5615 1
-6 28-5ME 28F5679 1
-6 B24#7 32F1729 7
-6 B24A (1-29 incl) 32F1729 7
ASSY. DASH No. | MODEL | NEXT ASSY. | REQ
-6 PBY-5B 28F7289 1
-6 PBY-5B 28F5679 1
-6 PBY-5A 28F6039 1
-6 PBY-5A 28F6169 1
-6 PBY-5A&B 28F5681 1
-6 PBY-5 28F5361 1
-6 PBY-5 28F5681 1
-8 PB2Y-3 29F6103 1
-8 XPB2Y-3 29F6103 1
-6 28-5AMC 28F5681 1
-6 28-5AMC 28F5615 1
-6 28-5AMC 28F5679 1
-6 28-5MC 28F5681 1
-6 28-5MC 28F5615 1
-6 28-5MC 28F5679 1
-6 28-5MA 28F5681 1
-6 28-5MA 28F5615 1
-6 28-5MA 28F5679 1
ASS'Y DASH No. | MODEL | NEXT ASS'Y | REQ
REQUIREMENTS PER AIRPLANE
REPLACES
.055 CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'0"
STAMP PART NUMBER WHERE SHOWN
-8 | .018 × 1 1/8 × 4 | CORR. RES STL. | 47519 GR. 1 SS | 1
-6 | .018 × 1 1/8 × 4 | CORR. RES. STL. | 57-136-9 GR. 1 SS | 1
PART No. | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
PARTS LIST PER ASSY.
EAC
C.A.C. 2F-32-001
1-17-41
NAVY NONE
HEAT TREAT
Z-P-AP
FINISH
DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
BMN
FMF
H. OWEN
NAME FAIRING - FURN'S - HEAT'G SYSTEM EXHAUST
OPP. HAND
DWG. B SIZE
32F1722
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R



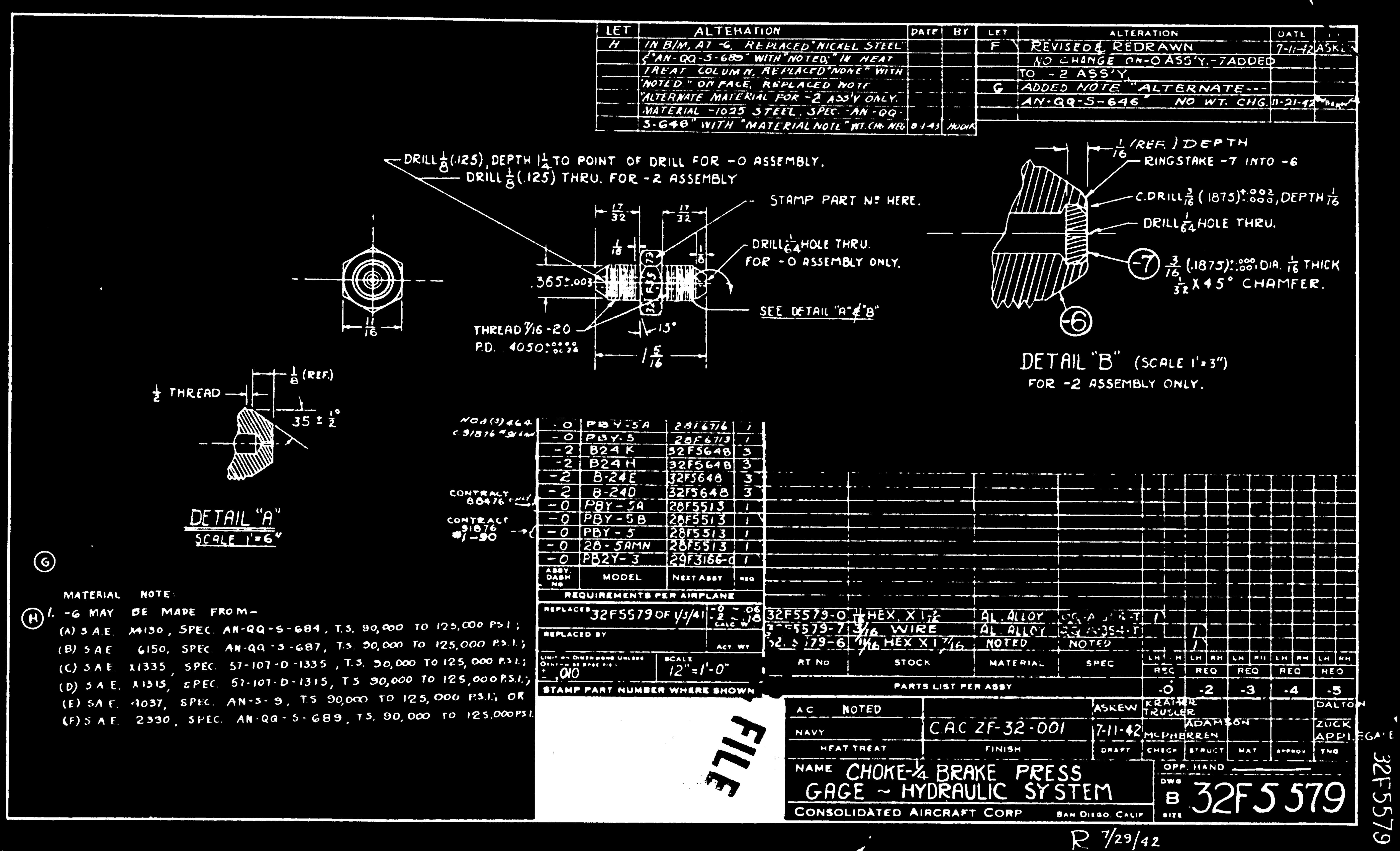
SLOT AS SHOWN 7/64 WIDE - BREAK ALL ROUGH EDGES
A
12°
1/4
45°
45°
22 1/2°
B
1 1/2 DIA. CUTTER
3 1/4 DIA.
2 7/8 DIA.
13/16
1 3/16 R
G
8 HOLES MIN DIA. 9/32 J
BREAK EDGES
MCRIGJ
D
F
7/16
1/4
1/2 R
3/16
5/16
1 DIA.
1 7/8 DIA
2 3/8 DIA
SECTION A-A
DRILL 49/64 C
D NOTE: THIS HOLE MAY BE DIE CAST TO 3/4 MAX. DIA. BUT MUST BE MACHINED TO 49/64 DIA.
EOA37197
EOA96887 MCRIGJ
B24A E.O.28805
H NOTE: MAGNESIUM ALLOY SAND CASTING AST M4, SPEC. AN-QQ-M56 COMP. A COND. H.T.A. MAY BE USED AS AN ALTERNATE MAT. - 34,000 P.S.I.
FILLET RADII 1/8 UNLESS OTHERWISE NOTED.
LET | ALTERATION | DATE | BY
A | REDESIGNED CABLE LOCK HOLE | 8-21-40 | ZEIGLER
B | 1/4 R WAS 3/32 | 7-17-40 | BALLOU
C | WAS 3/4 DIA. HOLE | 8-9-40 | BALLOU
D | "DIE CASTING" WAS "CASTING" 8-HOLES MIN. DIA 1/4 WAS DRILL 1/4 - 8 HOLES. MATL. SPEC. CHANGED 3/4 MIN. DIA. HOLE WAS DRILL 3/4. 1/8 MIN. DIA HOLE WAS DRILL 1/8. ADDED NOTE | 9-30-40 | STOCK
E | SPEC. (57-93-18 GR.E) WAS (57-93-18-18 GR.A) | 11/5/40 | BEACH
F | 8 HOLES DRILL 17/64 WAS 8 HOLES MIN DIA. 1/4 WEIGHT CHG. NEGLIGIBLE | 4-6-42
G | 8 HOLES MIN. DIA. "F" (.257) WAS 8 HOLES MIN. DIA 1/4 (WT. CHG. NEG.) | 5-29-42
H | ADDED NOTE - PROVIDING ALTERNATE MAT. WT CHG. NEG.
J | 9/32 WAS DIA. F (.257) NO WT CHG. | | STEEN
K | REV. REQ/AIRPLANE BLK NO WT CHG. | | STEEN
PBY-3 | 29F7167 | 2
PBY5B | 28F5657 | 2
28-5AMC | 28F5657 | 2
285ME | 28F5657 | 2
285MC | 28F5657 | 2
28-5MA | 28F5657 | 2
LB30 | 32F2010 | 2
B24D | 32F2010 | 2
B24C | 32F2010 | 2
B24A | 32F2010 | 2
ASSY DASH NO. | MODEL | NEXT ASSY. | REQ.
SHIPS #1 TO 434
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
SCALE 12"=1'-0
1/32
STAMP PART NUMBER WHERE SHOWN
1/8 MIN. DIA. HOLE
3/8 MIN. DIA. HOLE
SECTION B B
XB32 | 32F2010 | 2
PBY5A | 28F5657 | 2 | C13585
PBY5 | 28F5657 | 2
ASSY DASH NO. | MODEL | NEXT ASSY | REQ
DIE CASTING | AL. ALLOY
PART NO. | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 -2 -3 -4 -5
PARTS LIST PER ASSY.
AC NONE
NAVY
C.A.C. 21-32-001
HEAT TREAT
FINISH
DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
OPP. HAND
NAME PULLEY - FURNS. PILOTS SHOULDER STRAP
DWG. SIZE B
32F2028
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R-
CHECKED BY

LET | ALTERATION | DATE | BY
H | REDRAWN NO WT. CHG | 4-6-43 | LINDSTROM
DRILL #40(.098) 2 HOLES
C'SINK FOR AN425AD3 (REF.)
ON OPPOSITE SIDE
11/16
3/32
4 13/16
℄ SYM
3/8
1/8
3/32 R
2 1/32
3/16
5/64 R
5/32
11/32
℄
1015 TO MCR285A-1
435 TO 1014
#1-434
#MCR285A1
*7 ONLY
-L B24E 32F2134 3
-R B24D 32F2134 5
-L B24D 5
-R B24D 2
-L B24D 2
-R B24D 1
-L B24D 1
-R B24C 1
-L B24C 1
-R LB-30 1
-L LB-30 1
-R B24D 3
-L B24D 3
-R B24A 1
-L B24A 1
-R B24 1
-L B24 32F2134 1
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
6¢ ON
C-70496 C-77775 C-88476 C-91876
#1-90
-R 28-5ME 32F2134 1
-L 28-5ME 1
-R 28-5MC 1
-L 28-5MC 1
-R 28-5MA 1
-L 28-5MA 1
-R PBY-5A 2
-L PBY-5A 2
-R PBY-5 2
-L PBY-5 2
-R B24E 32F2134 3
#1-5
ALL BUT MCR 1426
-R PB2Y-2 32F2134 1
-L PB2Y-2 1
-R PB2Y-3 1
-L PB2Y-3 1
-R XPB2Y-3 1
-L XPB2Y-3 1
-R PBY-5B 1
-L PBY-5B 1
-R 28-5AMC 2
-L 28-5AMC 32F2134 2
NOTE:
DIM. APPLY TO MATING PART
32F3418 (SEE 32F2134)
REPLACES 32F3221 12/4/41
.006 CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12"=1'0"
STAMP PART NUMBER WHERE SHOWN
.030 X 1 X 3 1/8 | STAIN. STEEL | AN-QQ-S-772 COMP. & COND.
PART No. | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
PARTS LIST PER ASSY.
AC NONE NONE
NAVY
HEAT TREAT FINISH
YENDSEN 12-4-41 DRAFT
RRA CHECK
STRUCT.
MAT.
KIRK APPROV.
J.H.F. ENG.
NAME SHUTTER STOP - FURN'S DEFROSTER ADAPTER
OPP. HAND 32F3221-R
DWG. SIZE B
32F3221
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R
32F3221

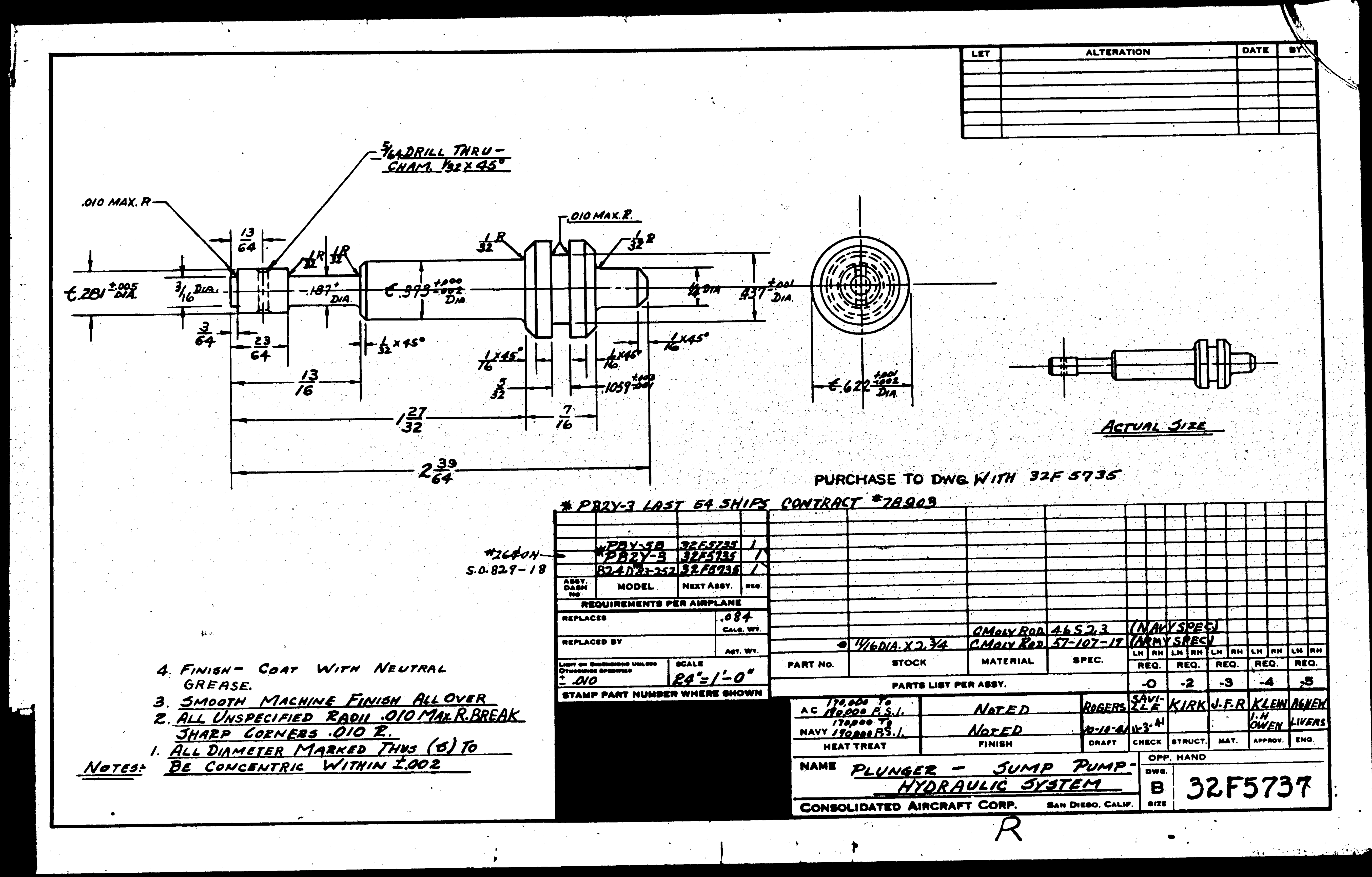

LINE REAM .875 +.005 -.001 DIA.
FORGING NOT EFFECTED
LET | ALTERATION | DATE | BY
A | REDRAWN REQ/PLANE REVISED
B | ADD ALT. MTL. #4135 C.M.STL SPEC 4684 | 11-6-41 | TANOWIS
C | CREATED -2 ASSY & LOC DIMS. NO WT. CHG. | 5-30-42
D | SPEC. AN-QQ-S-752 WAS COMM. 46S23 GR. B. NO WT. CHG | 7-13-42
E | ADDED NOTE: "NE 8739-- STEEL" (NEG. WT. CHG.) | 9-10-42 | BOWERS
E.O.A. 33297
FORG. NOT AFF.
FORG. NOT AFF.
1 3/8 FLAT
FOR -2 ASSY ONLY
MAKE -2 FROM 32F3400 FORGING
DIRECTION OF GRAIN
LINE REAM 1.0625 +.005 -.001 DIA.
ROUND EDGES TO APPROX. 1/8 RADIUS BOTH SIDES
PART NO. TO BE STAMPED UNDER FORGE NO.
REMOVE ALL FLASH & BURRS & ANNEAL
STAMP -2 AFTER MACH (-2 ASSY ONLY)
32F3400-2
NOTE:- NE. 8739, SAE. 4340 STEEL MAY BE USED AS ALTERNATE FOR CROME-MOLY. STEEL.
ALTERNATE MAT. SAE 4135 C.M. STEEL SPEC. 4684 GRADE Y (NAVY)
HEAT TREAT 150,000 - 170,000 #□"
B24E 32H011 1
B24D 32H011 1
B24C 32H011 1
B24A 32H011 1
B24 32H011 1
XB24 32H011 1
ASSY. DASH NO | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
LB30 32H011 1
28-5MN 28H1003-61 1
28-5ME 28H1003-60 1
28-5MC 28H1003-61 1
28-5MA 28H1003-61 1
28-5AMC 28H1003-61 1
PBY-5A 28H1003-62 1
PBY-5 28H1003-55 1
PBY-4 28H1003-40 1
PBY-3 28H1003-30 1
PBY-2 28H1003-20 1
PBY-1 28H1003-0 1
XPBY-5A 28H1003-55 1
-2 XB32 33F2546 1
-2 YB32 33F2546 1
REPLACES "A" SIZE DWG. DATED 4-11-41 (LOST)
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
(SEE NOTES) SAE 4140 CM AN-QQ-S-684
PART NO. | STOCK | MATERIAL | SPEC. | LH RH REQ. -0 | -2 | -3 | -4 | -5
PARTS LIST PER ASSY.
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
GP - GREEN PRIME
AC 150,000#□" | C.A.C. ZF-32-001
NAVY 150,000#□" | C-P-2 GP
HEAT TREAT | FINISH
TANOWIS 11-6-41 DRAFT | BILLINGS 11/7/41 CHECK | THOMPSON STRUCT | BERRY 11-19-41 MAT | LAOWEN APPROV | JEWELL GAGNEW ENG.
NAME SHACKLE - FURN'S. HOISTING SLING
OPP. HAND
DWG. B 32F3400
SIZE
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R



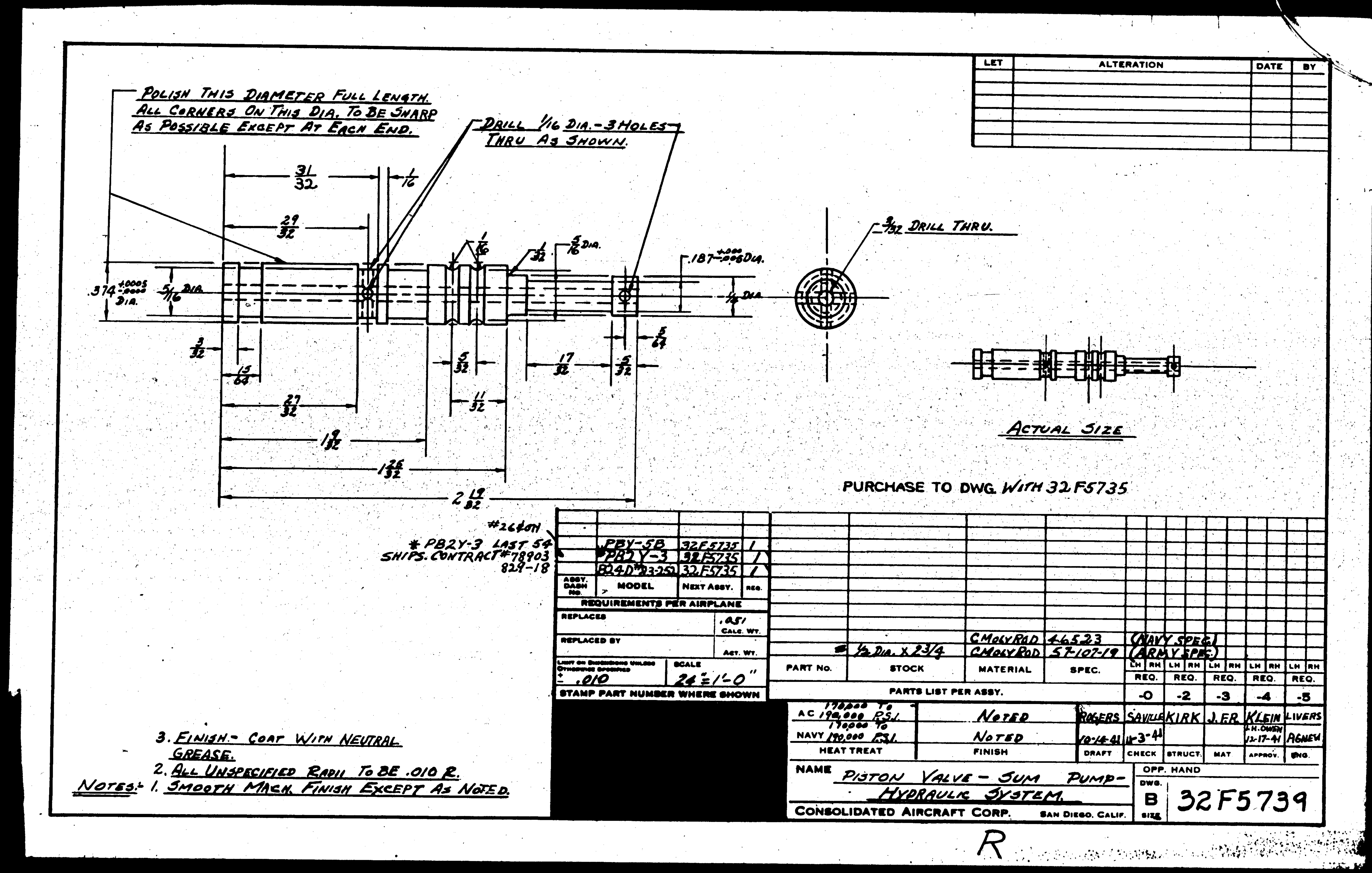
LET | ALTERATION | DATE | BY
A | .051 x 7 1/2 x 8, WAS .032 x 7 1/2 x 8 | 6-27-41 | GOOD
E.O. #159703 B | REVISED REQ. PER AIRPLANE BLOCK. NO. WT. CHG. | 9-30-41
E.O. #B2108 MCR #285A-1 C | REVISED REQUIREMENTS PER AIRPLANE. NO WT. CHG. | 8/12/42 | HARVEY
D | CHANGED "7 REQ'D." WAS "6 REQ'D." & "5 REQ'D" WAS "4 REQ'D," FOR B24D; - ECHG. "5 REQ'D." WAS 3 REQ'D FOR B24E | 4/?/43
3/32 R.
3/16
5
2
2
DRILL 1/4 (.250)
3/16 R.
9/32
Q2156-4-4 2 PLACES
℄ SYM.
4 5/8
5 9/16
3/4
3/4
IDENTICAL TO 32F2134-9
S.K.
B24D | 32F2134 | 8 | MCR #285-A-1 & ON
B24D | 32F2134 | 8 | MCR #285-1 TO MCR #285A-1
28-5MA | 32F2134 | 2 | C-91876
28-5AMN | 32F2134 | 2
PBY-5B | 32F2134 | 2
XB2Y-3 | 32F2134 | 1
PB2Y-2 | 32F2134 | 3 | 1-5
B24E | 32F2134 | 5
B24D | 32F2134 | 3 | #435 TO MCR #285-1
PB2Y3 | 32F2134 | 1 | ALL BUT 50 946-110
PBY-5A | 32F2134 | 2 | C-70436, C-77713 & C-88476 ONLY
PBY-5 | 32F2134 | 2 | #1-90 C-91876
LB30 | 32F2134-3 | 1
LB30 | 32F2134-0 | 1
B24-D | 32F2134-3 | 1 | #1-434
B24-D | 32F2134-0 | 1
B24-C | 32F2134-3 | 1 | ALL
B24-C | 32F2134-0 | 1
B24A | 32F2134-3 | 1 | ALL
B24A | 32F2134-0 | 1
B24 | 32F2134-3 | 1 | #7 ONLY
B24 | 32F2134-0 | 1
C-91876
28-5AMC | 32F2134-3 | 2
28-5MC | 32F2134-3 | 1
28-5MC | 32F2134-2 | 1
28-5ME | 32F2134-3 | 1
28-5ME | 32F2134-2 | 1
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES 32F2134-9 | #.098 CALC. WT.
REPLACED BY | ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 | SCALE 12" = 1'0"
STAMP PART NUMBER WHERE SHOWN
FINISH CODE
Z | ANODIC TREATMENT
P | P-27 PRIMER
AP | ALUMINIZED PRIMER
C | CADMIUM PLATE
.051 x 7 1/2 x 8 | ALCLAD | 11067-I
PART No. | STOCK | MATERIAL | SPEC. | LH RH REQ. | LH RH REQ. | LH RH REQ. | LH RH REQ. | LH RH REQ.
PARTS LIST PER ASSY. | -0 | -2 | -3 | -4 | -5
AC NONE | Z-P FBG OUTSIDE Z-1 BKHT. RES. ENAM. IN | LABAS | KIRK | D.M. | J.E.N.
NAVY | 4-23-41 | E. BILLINGS | H. OWEN
HEAT TREAT | FINISH | DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
NAME SHUTTER - FURNS - DEFROSTER - HEATING SYS.
OPP. HAND NONE
DWG. SIZE B 32F3416
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R
CHECKED BY Lebec DATE 4/29/41

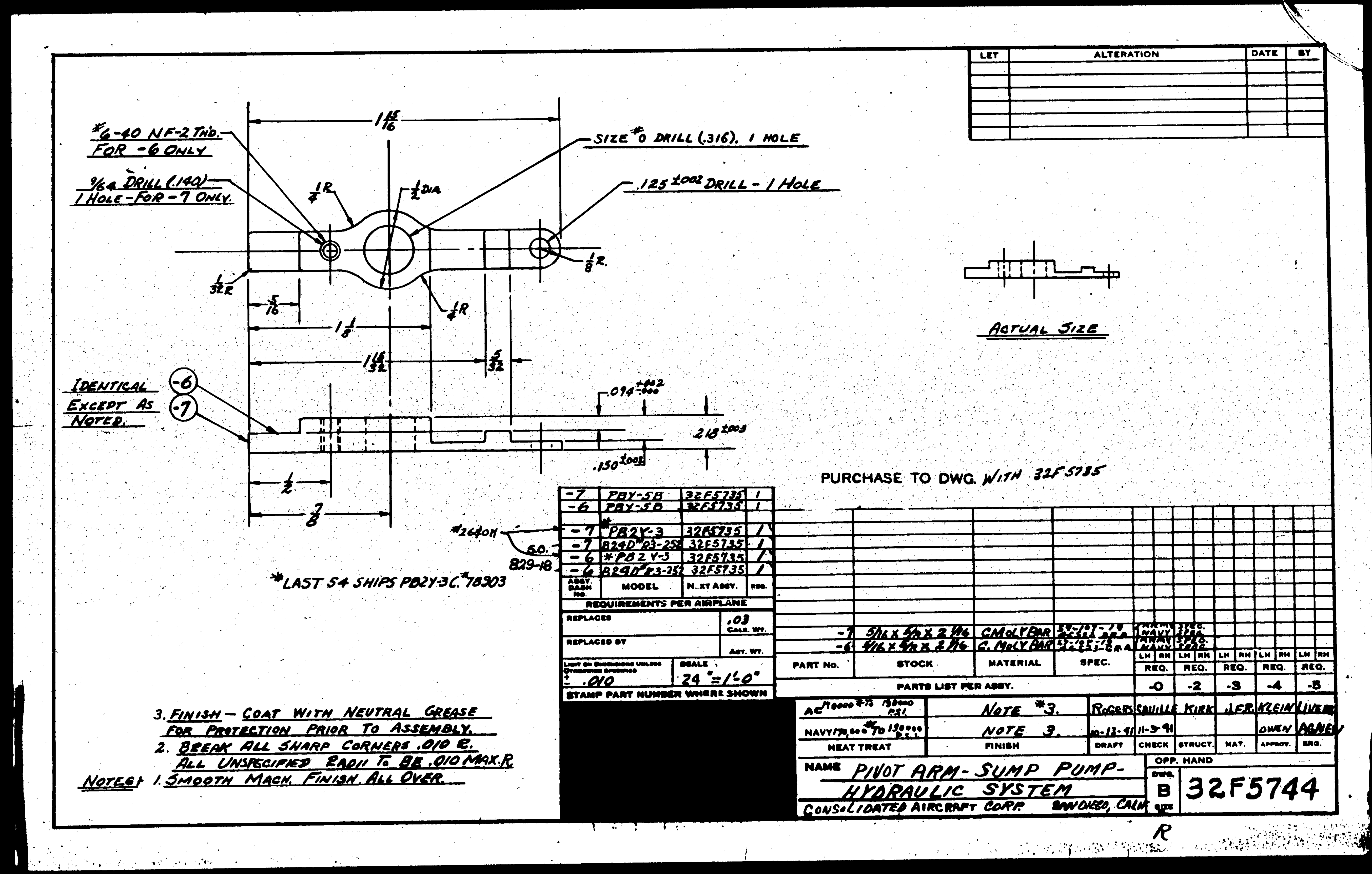


LET | ALTERATION | DATE | BY
H IN B/M, AT -6, REPLACED "NICKEL STEEL" & "AN-QQ-S-685" WITH "NOTED" IN HEAT TREAT COLUMN, REPLACED "NONE" WITH "NOTED." ON FACE, REPLACED NOTE "ALTERNATE MATERIAL FOR -2 ASS'Y ONLY. MATERIAL -1025 STEEL. SPEC. AN-QQ-S-646" WITH "MATERIAL NOTE" WT. CHG. NEG.
F REVISED & REDRAWN NO CHANGE ON -0 ASS'Y. -7 ADDED TO -2 ASS'Y. 7-11-42 ASKEW
G ADDED NOTE "ALTERNATE--- AN-QQ-S-646" NO WT. CHG. 11-21-42
DRILL 1/8 (.125), DEPTH 1 1/4 TO POINT OF DRILL FOR -0 ASSEMBLY.
DRILL 1/8 (.125) THRU. FOR -2 ASSEMBLY
STAMP PART NO HERE.
DRILL 1/64 HOLE THRU. FOR -0 ASSEMBLY ONLY.
SEE DETAIL "A" & "B"
.365±.003
THREAD 7/16-20
P.D. .4050
1 5/16
11/16
15°
1/16 (REF.) DEPTH
RINGSTAKE -7 INTO -6
C.DRILL 3/16 (.1875), DEPTH 1/16
DRILL 1/64 HOLE THRU.
-7 3/16 (.1875) DIA. 1/16 THICK 1/32 X 45° CHAMFER.
-6
DETAIL "B" (SCALE 1"=3") FOR -2 ASSEMBLY ONLY.
1/2 THREAD
1/8 (REF.)
35 ± 1/2°
DETAIL "A" SCALE 1"=6"
MATERIAL NOTE:
1. -6 MAY BE MADE FROM-
(A) S.A.E. X4130, SPEC. AN-QQ-S-684, T.S. 90,000 TO 125,000 P.S.I.;
(B) S.A.E. 6150, SPEC. AN-QQ-S-687, T.S. 90,000 TO 125,000 P.S.I.;
(C) S.A.E. X1335, SPEC. 57-107-D-1335, T.S. 90,000 TO 125,000 P.S.I.;
(D) S.A.E. X1315, SPEC. 57-107-D-1315, T.S. 90,000 TO 125,000 P.S.I.;
(E) S.A.E. 4037, SPEC. AN-S-9, T.S. 90,000 TO 125,000 P.S.I.; OR
(F) S.A.E. 2330, SPEC. AN-QQ-S-689, T.S. 90,000 TO 125,000 P.S.I.
CONTRACT 88476
CONTRACT 91876
ASSY. DASH NO | MODEL | NEXT ASSY | REQ
-0 PBY-5A 28F6716 1
-0 PBY-5 28F6713 1
-2 B24K 32F5648 3
-2 B24H 32F5648 3
-2 B-24E 32F5648 3
-2 B-24D 32F5648 3
-0 PBY-5A 28F5513 1
-0 PBY-5B 28F5513 1
-0 PBY-5 28F5513 1
-0 28-5AMN 28F5513 1
-0 PB2Y-3 29F3166 1
REQUIREMENTS PER AIRPLANE
REPLACES 32F5579 OF 1/3/41
32F5579-0 HEX X 1 AL. ALLOY
32F5579-7 3/16 WIRE AL. ALLOY
32F5579-6 11/16 HEX X 1 7/16 NOTED NOTED
PART NO | STOCK | MATERIAL | SPEC
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±.010
SCALE 12"=1'-0"
STAMP PART NUMBER WHERE SHOWN
PARTS LIST PER ASSY -0 -2 -3 -4 -5
FILE
A.C. NOTED
NAVY
HEAT TREAT
C.A.C. ZF-32-001
FINISH
ASKEW 7-11-42
KRAMER TRUSLER McPHERREN ADAMSON
DALTON ZUCK APPLEGATE
NAME CHOKE-1/4 BRAKE PRESS GAGE ~ HYDRAULIC SYSTEM
CONSOLIDATED AIRCRAFT CORP SAN DIEGO, CALIF.
DWG B 32F5579
R 7/29/42
32F5579

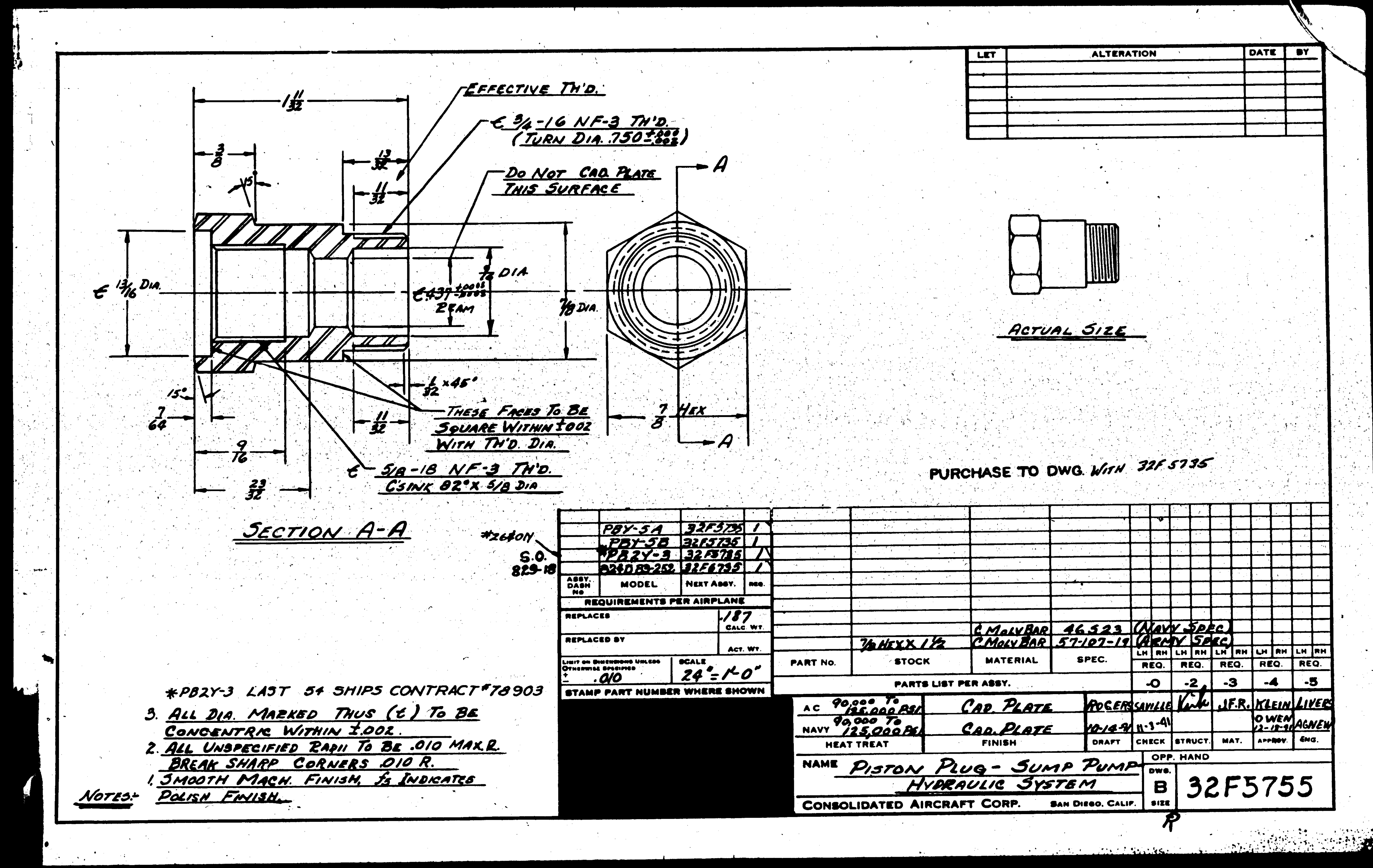


LET
ALTERATION
DATE
BY
5/64 DRILL THRU-
CHAM. 1/32 X 45°
.010 MAX. R
.010 MAX. R.
13/64
1/32 R
1/32 R
1/32 R
1/32 R
.281 ±.005 DIA.
3/16 DIA.
.187 DIA.
.373 +.000 -.002 DIA
1/4 DIA
.437 ±.001 DIA.
3/64
23/64
1/32 x 45°
1/16 x 45°
1/16 x 45°
1/16 x 45°
5/32
.1059 +.003 -.001
.622 +.001 -.002 DIA.
13/16
1 27/32
7/16
2 39/64
ACTUAL SIZE
PURCHASE TO DWG. WITH 32F 5735
* PB2Y-3 LAST 54 SHIPS CONTRACT *78903
#2640N-
S.O.829-18
PBY-5B 32F5735 1
*PB2Y-3 32F5735 1
B24D B23-252 32F5735 1
ASSY. DASH NO
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.084
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± .010
SCALE
24"=1'-0"
STAMP PART NUMBER WHERE SHOWN
C MOLY ROD 4623 (NAVY SPEC)
11/16 DIA. X 2 3/4 C MOLY ROD 57-107-19 (ARMY SPEC)
LH RH LH RH LH RH LH RH LH RH
PART No.
STOCK
MATERIAL
SPEC.
REQ.
REQ.
REQ.
REQ.
REQ.
PARTS LIST PER ASSY.
-0
-2
-3
-4
-5
A C 170,000 TO 190,000 P.S.I.
NAVY 170,000 TO 190,000 P.S.I.
HEAT TREAT
NOTED
NOTED
FINISH
ROGERS
10-10-41
DRAFT
SAVILLE
CHECK
KIRK
STRUCT.
J.F.R
MAT.
KLEIN
J.H OWEN
APPROV.
AGNEW
LIVERS
ENG.
4. FINISH - COAT WITH NEUTRAL GREASE.
3. SMOOTH MACHINE FINISH ALL OVER
2. ALL UNSPECIFIED RADII .010 MAX R. BREAK SHARP CORNERS .010 R.
1. ALL DIAMETER MARKED THUS (¢) TO BE CONCENTRIC WITHIN ±.002
NOTES:
NAME PLUNGER - SUMP PUMP - HYDRAULIC SYSTEM
OPP. HAND
DWG. SIZE B
32F5737
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R

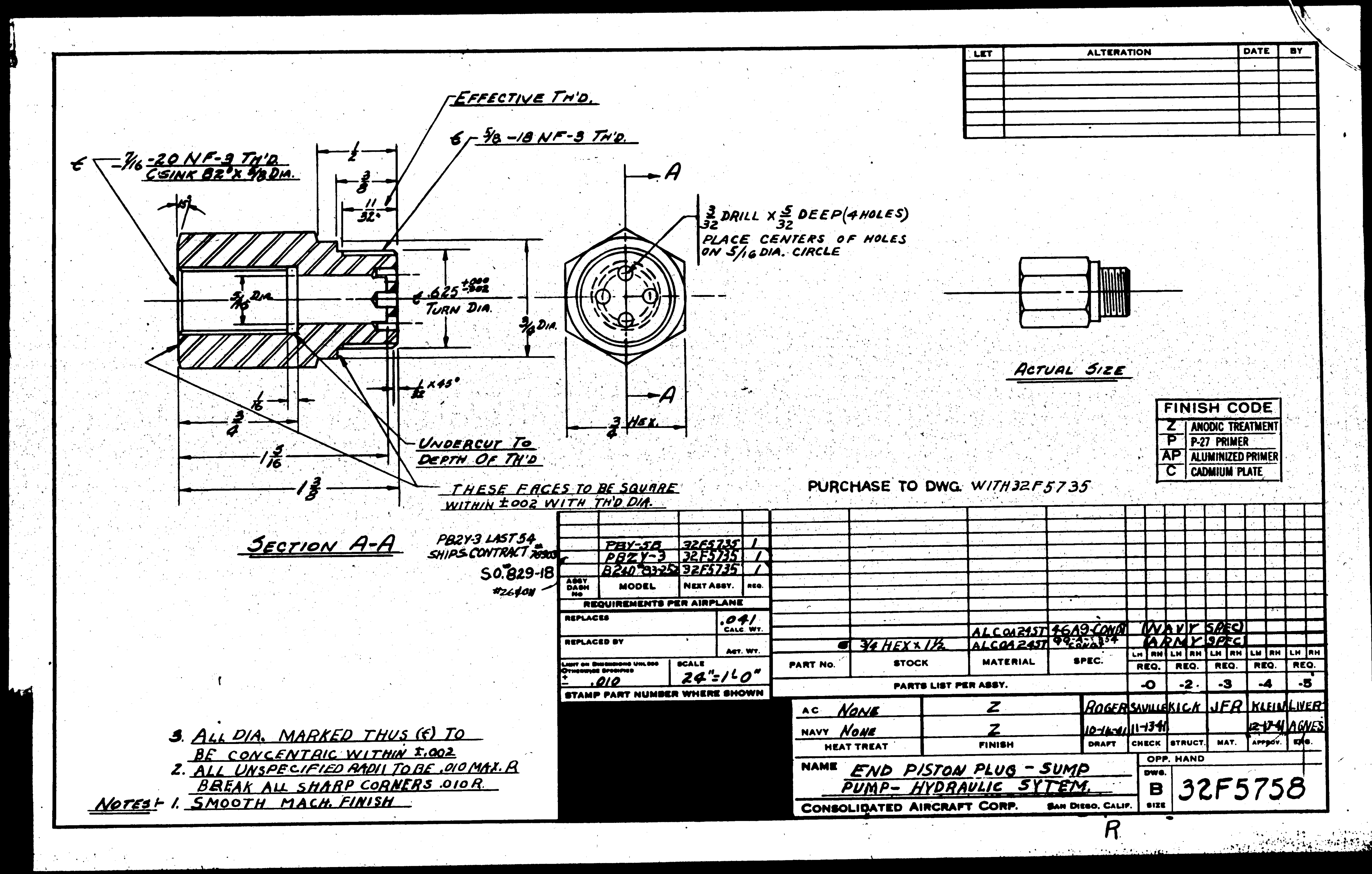

LET
ALTERATION
DATE
BY
POLISH THIS DIAMETER FULL LENGTH. ALL CORNERS ON THIS DIA. TO BE SHARP AS POSSIBLE EXCEPT AT EACH END.
DRILL 1/16 DIA. - 3 HOLES THRU AS SHOWN.
3/32 DRILL THRU.
.374 +.0005 -.0000 DIA.
5/16 DIA.
5/16 DIA.
.187 +.000 -.002 DIA.
1/4 DIA.
31/32
1/16
29/32
1/16
1/32
3/32
15/64
27/32
5/32
11/32
17/32
5/32
5/64
1 9/32
1 26/32
2 19/32
ACTUAL SIZE
PURCHASE TO DWG. WITH 32F5735
#264 ON
* PB2Y-3 LAST 54 SHIPS. CONTRACT #78903 829-18
PBY-5B 32F5735 1
*PB2Y-3 32F5735 1
B24D #23-252 32F5735 1
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.051 CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
SCALE 24" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
1/2 DIA. x 2 3/4
C MOLY ROD 4-6523 (NAVY SPEC.)
C MOLY ROD 57-107-19 (ARMY SPEC.)
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
AC 170,000 TO 190,000 P.S.I.
NAVY 170,000 TO 190,000 P.S.I.
HEAT TREAT
NOTED
NOTED
FINISH
ROGERS 10-14-41
SAVILLE 11-3-41
KIRK
J.F.R.
KLEIN H. OWEN 12-17-41
LIVERS AGNEW
DRAFT
CHECK
STRUCT.
MAT
APPROV.
ENG.
NAME PISTON VALVE - SUM PUMP - HYDRAULIC SYSTEM.
OPP. HAND
DWG. SIZE B
32F5739
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
3. FINISH - COAT WITH NEUTRAL GREASE.
2. ALL UNSPECIFIED RADII TO BE .010 R.
NOTES: 1. SMOOTH MACH. FINISH EXCEPT AS NOTED.
R



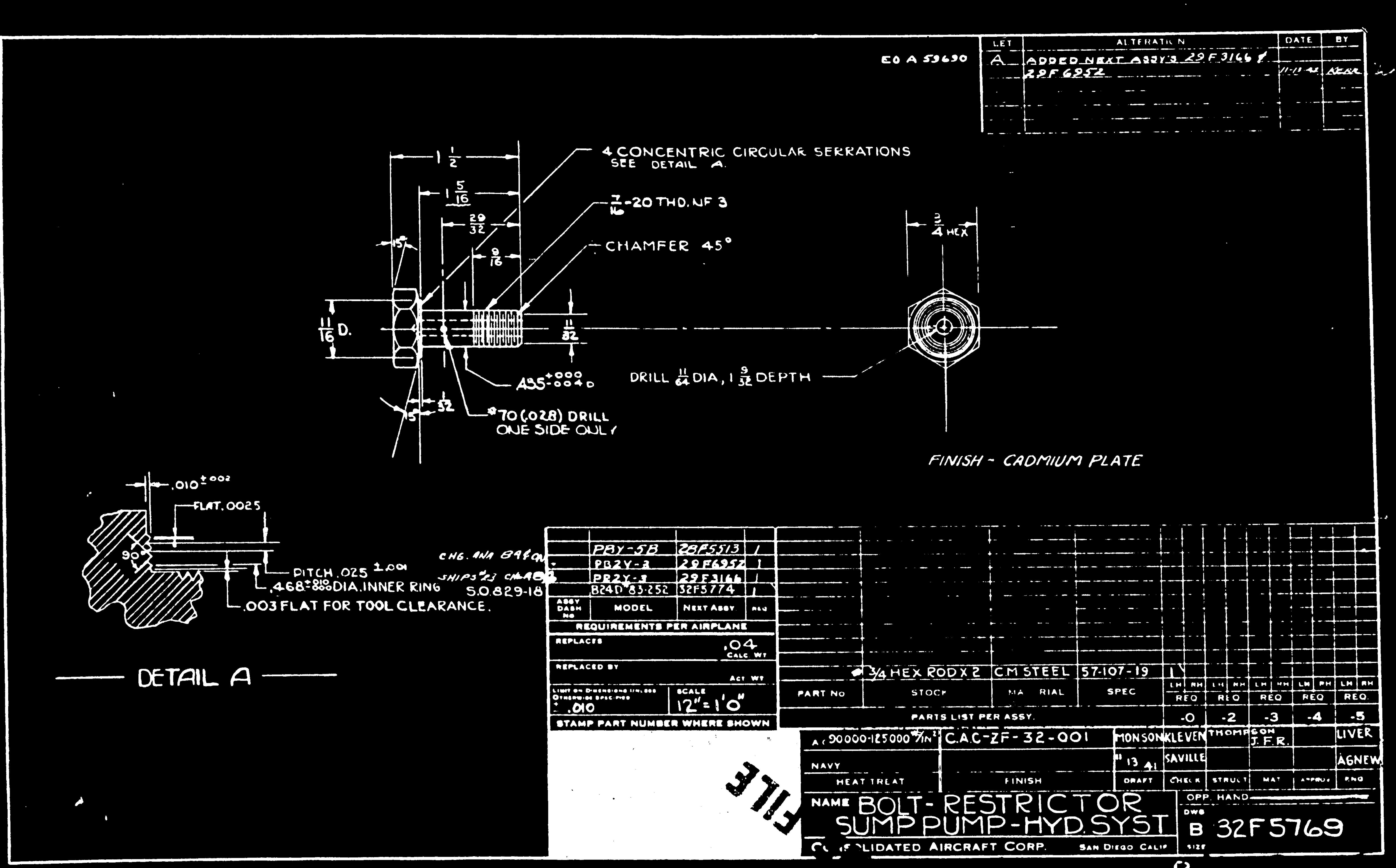
LET
ALTERATION
DATE
BY
#6-40 NF-2 THD. FOR -6 ONLY
9/64 DRILL (.140) 1 HOLE-FOR-7 ONLY.
1 15/16
SIZE #0 DRILL (.316). 1 HOLE
.125 ±.002 DRILL - 1 HOLE
1/4 R
1/2 DIA
1/8 R.
1/32 R
5/16
1/4 R
1 1/8
1 15/32
5/32
ACTUAL SIZE
IDENTICAL EXCEPT AS NOTED.
-6
-7
.094 +.002 -.000
.218 ±.003
.150 ±.002
1/2
7/8
PURCHASE TO DWG. WITH 32F5735
-7 PBY-5B 32F5735 1
-6 PBY-5B 32F5735 1
#2640H
-7 *PB2Y-3 32F5735 1
-7 B24D #23-252 32F5735 1
-6 *PB2Y-3 32F5735 1
-6 B24D #23-252 32F5735 1
60.
829-18
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
*LAST 54 SHIPS PB2Y-3C. #78303
REPLACES
.03 CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
SCALE 24" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
-7 5/16 x 5/8 x 2 1/16 C.MOLY BAR
-6 5/16 x 5/8 x 2 1/16 C.MOLY BAR
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
3. FINISH — COAT WITH NEUTRAL GREASE FOR PROTECTION PRIOR TO ASSEMBLY.
2. BREAK ALL SHARP CORNERS .010 R. ALL UNSPECIFIED RADII TO BE .010 MAX. R
NOTES: 1. SMOOTH MACH. FINISH ALL OVER.
AC 170000 # TO 190000 P.S.I.
NAVY 170,000 # TO 190000 P.S.I.
HEAT TREAT
NOTE #3.
NOTE 3.
FINISH
ROGERS
10-13-41
DRAFT
SAVILLE
11-3-41
CHECK
KIRK
STRUCT.
J.F.R.
MAT.
KLEIN
OWEN
APPROV.
LIVELY
AGNEW
ENG.
OPP. HAND
NAME PIVOT ARM - SUMP PUMP - HYDRAULIC SYSTEM
DWG. SIZE B
32F5744
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R



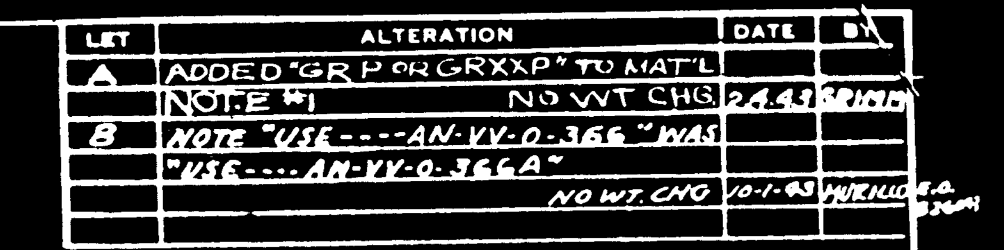
LET | ALTERATION | DATE | BY
EFFECTIVE TH'D.
℄ 3/4-16 NF-3 TH'D. (TURN DIA. .750 +.000 -.002)
DO NOT CAD. PLATE THIS SURFACE
1 11/32
3/8
13/32
11/32
15°
℄ 13/16 DIA.
℄ .437 +.0005 -.0005 REAM
9/16 DIA
7/8 DIA.
1/32 x 45°
15°
7/64
11/32
9/16
23/32
THESE FACES TO BE SQUARE WITHIN ±.002 WITH TH'D. DIA.
℄ 5/8-18 NF-3 TH'D. C'SINK 82° X 5/8 DIA
7/8 HEX
A
A
SECTION A-A
ACTUAL SIZE
PURCHASE TO DWG. WITH 32F5735
#2640N
S.O. 829-18
PBY-5A | 32F5735 | 1
PBY-5B | 32F5735 | 1
*PB2Y-3 | 32F5735 | 1
B24D B9-252 | 32F6735 | 1
ASSY. DASH NO | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES | .187 CALC. WT.
REPLACED BY | ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
SCALE 24" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
7/8 HEX X 1 1/2 | C MOLY BAR | 46S23 | (NAVY SPEC)
C MOLY BAR | 57-107-19 | (ARMY SPEC)
PART NO. | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 -2 -3 -4 -5
PARTS LIST PER ASSY.
AC 90,000 TO 125,000 PSI
NAVY 90,000 TO 125,000 PSI
HEAT TREAT
CAD. PLATE
CAD. PLATE
FINISH
ROGERS 10-14-41 DRAFT
SAVILLE 11-3-41 CHECK
STRUCT.
J.F.R. MAT.
KLEIN OWEN 12-12-41 APPROV.
LIVERS AGNEW ENG.
OPP. HAND
NAME PISTON PLUG - SUMP PUMP HYDRAULIC SYSTEM
DWG. SIZE B
32F5755
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R
*PB2Y-3 LAST 54 SHIPS CONTRACT #78903
NOTES:-
1. SMOOTH MACH. FINISH, ƒs INDICATES POLISH FINISH.
2. ALL UNSPECIFIED RADII TO BE .010 MAX. R. BREAK SHARP CORNERS .010 R.
3. ALL DIA. MARKED THUS (℄) TO BE CONCENTRIC WITHIN ±.002.



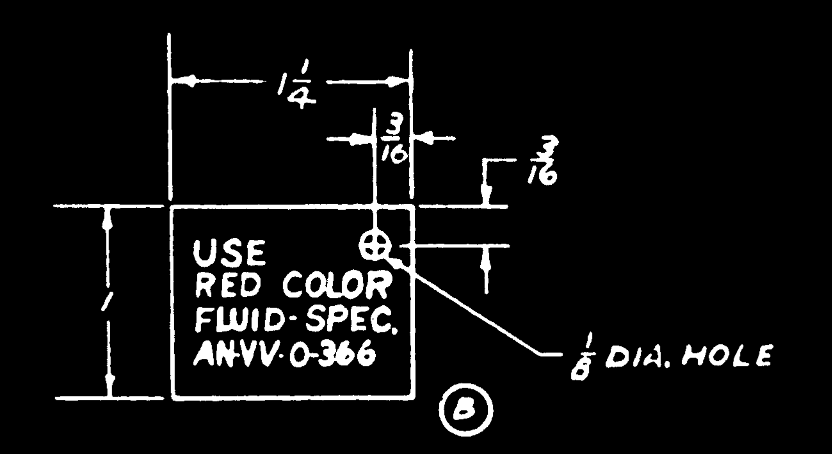
LET
ALTERATION
DATE
BY
EFFECTIVE TH'D.
℄ - 5/8 - 18 NF-3 TH'D.
℄ - 7/16 - 20 NF-3 TH'D.
CSINK 82° X 1/2 DIA.
1/2
3/8
11/32
15°
5/16 DIA.
℄ .625 +.000 -.002
TURN DIA.
31/32 DIA.
1/32 x 45°
1/16
3/4
1 5/16
1 3/8
UNDERCUT TO
DEPTH OF TH'D
THESE FACES TO BE SQUARE
WITHIN ±.002 WITH TH'D DIA.
A
A
3/32 DRILL x 5/32 DEEP (4 HOLES)
PLACE CENTERS OF HOLES
ON 5/16 DIA. CIRCLE
3/4 HEX.
ACTUAL SIZE
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
PURCHASE TO DWG. WITH 32F5735
SECTION A-A
PB2Y-3 LAST 54
SHIPS CONTRACT # 78303
S.O. 829-18
#2640N
PBY-5B 32F5735 1
PB2Y-3 32F5735 1
B240 83-252 32F5735 1
ASSY DASH No
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.041 CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
SCALE 24" = 1'0"
STAMP PART NUMBER WHERE SHOWN
3/4 HEX x 1 1/2
ALCOA 24ST 46A9 COND NAVY SPEC
ALCOA 24ST 99-4-354 COND ARMY SPEC
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
-0 -2 -3 -4 -5
PARTS LIST PER ASSY.
AC NONE
NAVY NONE
HEAT TREAT
Z
Z
FINISH
ROGER
10-16-41
DRAFT
SAVILLE
11-13-41
CHECK
KICK
STRUCT.
JFR
MAT.
KLEIN
12-17-41
APPROV.
LIVER
AGNES
ENG.
OPP. HAND
NAME END PISTON PLUG - SUMP
PUMP - HYDRAULIC SYTEM.
DWG. SIZE B
32F5758
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
3. ALL DIA. MARKED THUS (℄) TO
BE CONCENTRIC WITHIN ±.002
2. ALL UNSPECIFIED RADII TO BE .010 MAX. R
BREAK ALL SHARP CORNERS .010 R.
NOTES:- 1. SMOOTH MACH. FINISH
R



EO A 53690
LET | ALTERATION | DATE | BY
A | ADDED NEXT ASSY'S 29F3166 & 29F6952
4 CONCENTRIC CIRCULAR SERRATIONS SEE DETAIL A.
1 1/2
1 5/16
29/32
9/16
7/16-20 THD. NF 3
CHAMFER 45°
15°
11/16 D.
11/32
.435+.000 -.004 D
1/32
#70 (.028) DRILL ONE SIDE ONLY
3/4 HEX
DRILL 11/64 DIA, 1 9/32 DEPTH
FINISH - CADMIUM PLATE
.010±.002
FLAT .0025
90°
PITCH .025±.001
.468+.010 -.000 DIA. INNER RING
.003 FLAT FOR TOOL CLEARANCE.
DETAIL A
CHG. ANA 89 & ON
SHIPS #23 CHAB
S.O. 829-18
PBY-5B | 28F5513 | 1
PB2Y-3 | 29F6952 | 1
PB2Y-3 | 29F3166 | 1
B24D 83-252 | 32F5774 | 1
ASSY DASH NO | MODEL | NEXT ASSY | REQ
REQUIREMENTS PER AIRPLANE
REPLACES
.04 CALC. WT
REPLACED BY
ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
SCALE 12" = 1'0"
STAMP PART NUMBER WHERE SHOWN
3/4 HEX ROD X 2 | C.M. STEEL | 57-107-19 | 1
PART No | STOCK | MATERIAL | SPEC
LH RH REQ -0 | -2 | -3 | -4 | -5
PARTS LIST PER ASSY.
A 90000-125000 #/IN² | C.A.C-ZF-32-001
NAVY
HEAT TREAT | FINISH
MONSON | KLEVEN | THOMPSON J.F.R. | LIVER
13 41 | SAVILLE | AGNEW
DRAFT | CHECK | STRUCT | MAT | APPROV | ENG
OPP. HAND
NAME BOLT - RESTRICTOR SUMP PUMP - HYD. SYST
DWG B 32F5769
SIZE
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF
FILE



LET	ALTERATION	DATE	BY
A	ADDED "GR P OR GRXXP" TO MAT'L		
	NOTE #1 NO WT CHG.	2-4-43	[illegible]
B	NOTE "USE----AN-VV-0-366" WAS		
	"USE----AN-VV-0-366A"		
	NO WT. CHG	10-1-43	[illegible]



NOTES: MATERIAL TO BE PHENOLIC PAPER BASE, SPEC. HH-P-256, TYPE I, GR. X, GR. P, OR GR. XXP, 1/32 OR 1/16 (AT VENDORS DISCRETION) COATED BOTH SURFACES WITH ANDREW BROWN COMPANY L-60 WATERPROOF SEALER OR EQUIVALENT AFTER SCREENING OR LITHOGRAPHING.

2. LETTERING: TO BE BLACK ON WHITE BACKGROUND.

	ASSY. DASH NO	MODEL	NEXT ASSY.	REQ.
		PB4Y-2	32F30051	1
MCR 216		PBY-5A	28F6514	1
		B24K	32F30828	1
		B24K	32F505	1
		B24K	32F718	1
		B24H	32F30828	1
		B24H	32F505	1
		B24H	32F718	1
MCR-417-6		B24D	32F30828	1
MCR 411		B24D	32F505	1
		B24D	32F718	1
		XB41	32F30828	1
MCR 417-6		B24E	32F30828	1
MCR-411		B24E	32F505	1
		B24E	32F718	1

REQUIREMENTS PER AIRPLANE

REPLACES 32F5734 FOR CR 411	.01 CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±1/32	SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

(NOTED)

PART No.	STOCK	MATERIAL	SPEC.	LH REQ.	RH REQ.	LH REQ.	RH REQ.	LH REQ.	RH REQ.	LH REQ.	RH REQ.	LH REQ.	RH REQ.
PARTS LIST PER ASSY.				-0		-2		-3		-4		-5	

AC NONE	NONE	ROSE	[illegible]	[illegible]			[illegible]
NAVY		1/13/43					
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV	ENG

NAME TAG - HYDRAULICS - FLUID - SPECIFICATION

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF

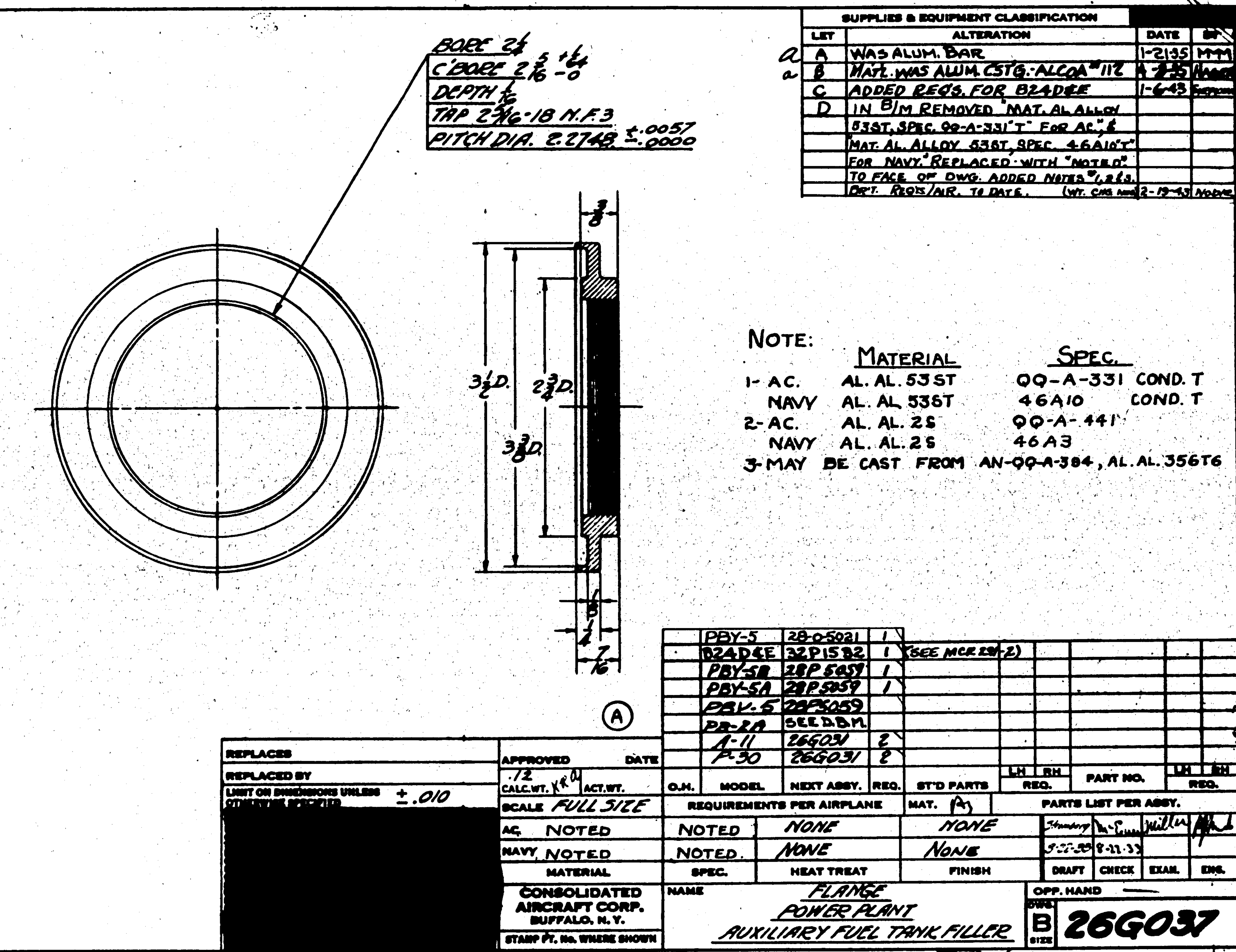
OPP. HAND

DWG. SIZE B 32F7933

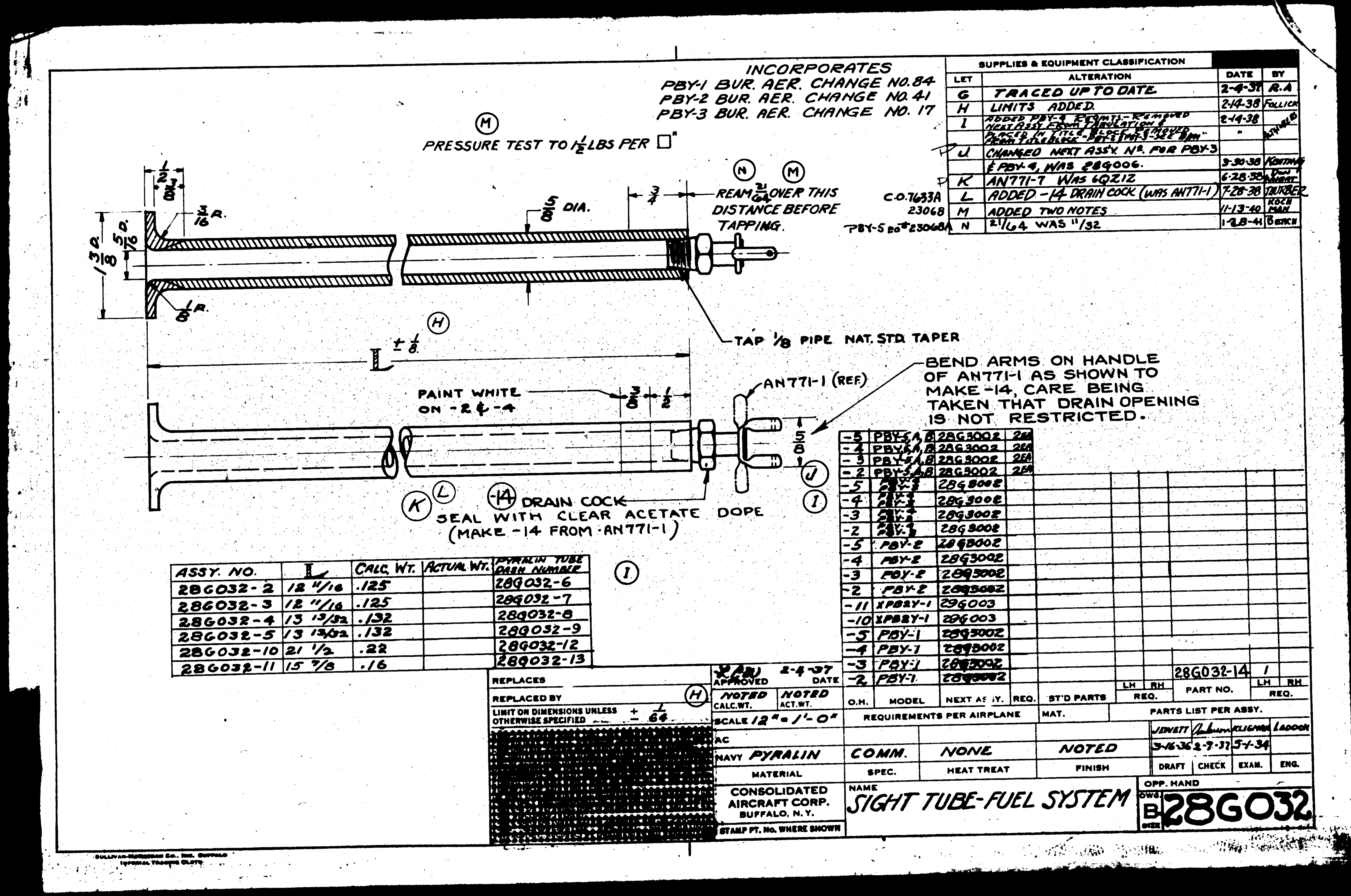
No. 3

32F7933

R



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | WAS ALUM. BAR | 1-21-35 | MMM
B | MAT'L. WAS ALUM. CSTG.-ALCOA #112
C | ADDED REQS. FOR B24D&E | 1-6-43
D | IN B/M REMOVED "MAT. AL. ALLOY 53ST, SPEC. QQ-A-331 "T" FOR AC", & "MAT. AL. ALLOY 53ST, SPEC. 46A10 "T" FOR NAVY." REPLACED WITH "NOTED" TO FACE OF DWG. ADDED NOTES #1, 2 & 3. ORT. REQS/AIR. TO DATE. (WT. CHG NONE) | 2-19-43 | NONE
BORE 2 1/4
C'BORE 2 5/16 +1/64 -0
DEPTH 1/16
TAP 2 5/16-18 N.F.3
PITCH DIA. 2.2748 +.0057 -.0000
3 1/2 D.
2 3/4 D.
3 3/8 D.
3/8
1/8
1/4
7/16
A
NOTE:
MATERIAL | SPEC.
1- AC. | AL. AL. 53ST | QQ-A-331 COND. T
NAVY | AL. AL. 53ST | 46A10 COND. T
2- AC. | AL. AL. 2S | QQ-A-441
NAVY | AL. AL. 2S | 46A3
3- MAY BE CAST FROM AN-QQ-A-384, AL. AL. 356T6
PBY-5 | 28-0-5021 | 1
B24D&E | 32P1582 | 1 (SEE MCR 281-2)
PBY-5B | 28P5059 | 1
PBY-5A | 28P5059 | 1
PBV-5 | 28P5059
PB-2A | SEE D.B.M.
A-11 | 26G031 | 2
P-30 | 26G031 | 2
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±.010
[redacted]
APPROVED | DATE
.12 CALC. WT. | ACT. WT.
SCALE FULL SIZE
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
AC. NOTED | NOTED | NONE | NONE
NAVY NOTED | NOTED. | NONE | NONE
MATERIAL | SPEC. | HEAT TREAT | FINISH
9-22-33 | 9-22-33
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME FLANGE POWER PLANT AUXILIARY FUEL TANK FILLER
OPP. HAND —
DWG. SIZE B
26G037
SULLIVAN-McKEEGAN CO., INC. BUFFALO V-130 VELLUM



ASSY. NO.	L	CALC. WT.	ACTUAL WT.	PYRALIN TUBE DASH NUMBER
28G032-2	12 11/16	.125		28G032-6
28G032-3	12 11/16	.125		28G032-7
28G032-4	13 13/32	.132		28G032-8
28G032-5	13 13/32	.132		28G032-9
28G032-10	21 1/2	.22		28G032-12
28G032-11	15 7/8	.16		28G032-13

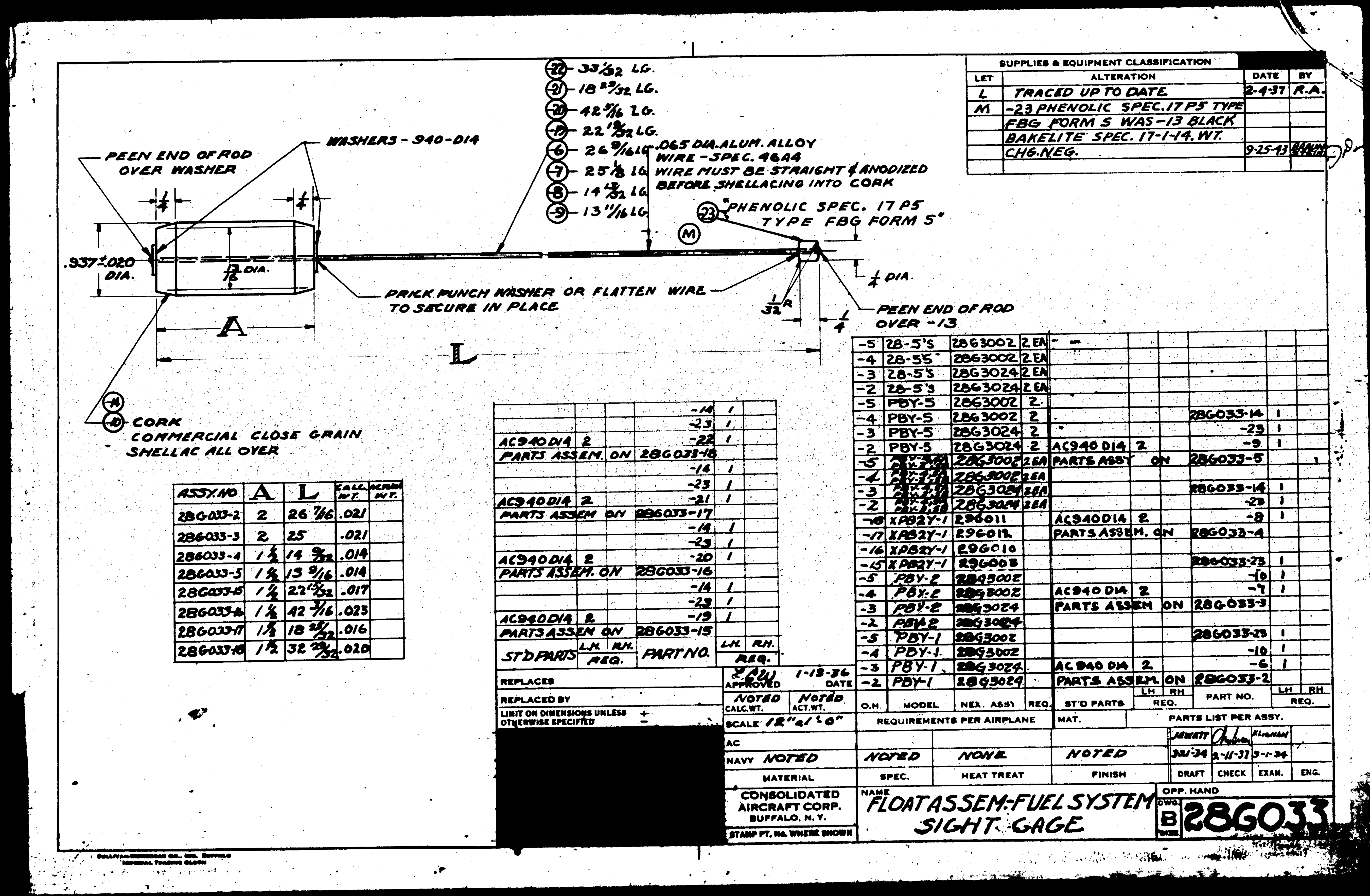
O.H.	MODEL	NEXT ASSY.	REQ.
-5	PBY-5A,B	28G3002	2EA
-4	PBY-5A,B	28G3002	2EA
-3	PBY-5A,B	28G3002	2EA
-2	PBY-5A,B	28G3002	2EA
-5	PBY-3	28G3002	
-4	PBY-3	28G3002	
-3	PBY-4	28G3002	
-2	PBY-4	28G3002	
-5	PBY-2	28G3002	
-4	PBY-2	28G3002	
-3	PBY-2	28G3002	
-2	PBY-2	28G3002	
-11	XPB2Y-1	29G003	
-10	XPB2Y-1	29G003	
-5	PBY-1	28G3002	
-4	PBY-1	28G3002	
-3	PBY-1	28G3002	
-2	PBY-1	28G3002	

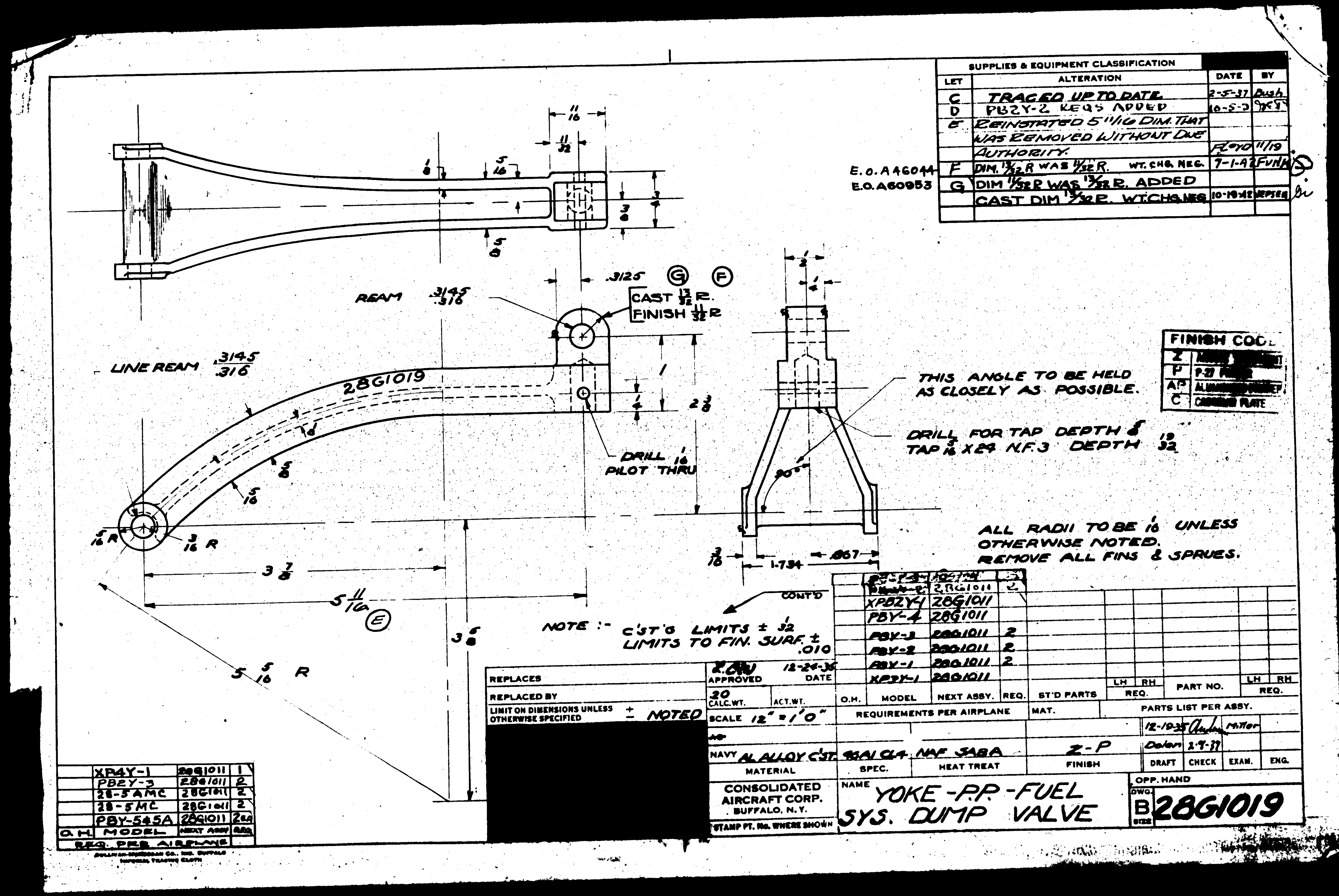
REQUIREMENTS PER AIRPLANE

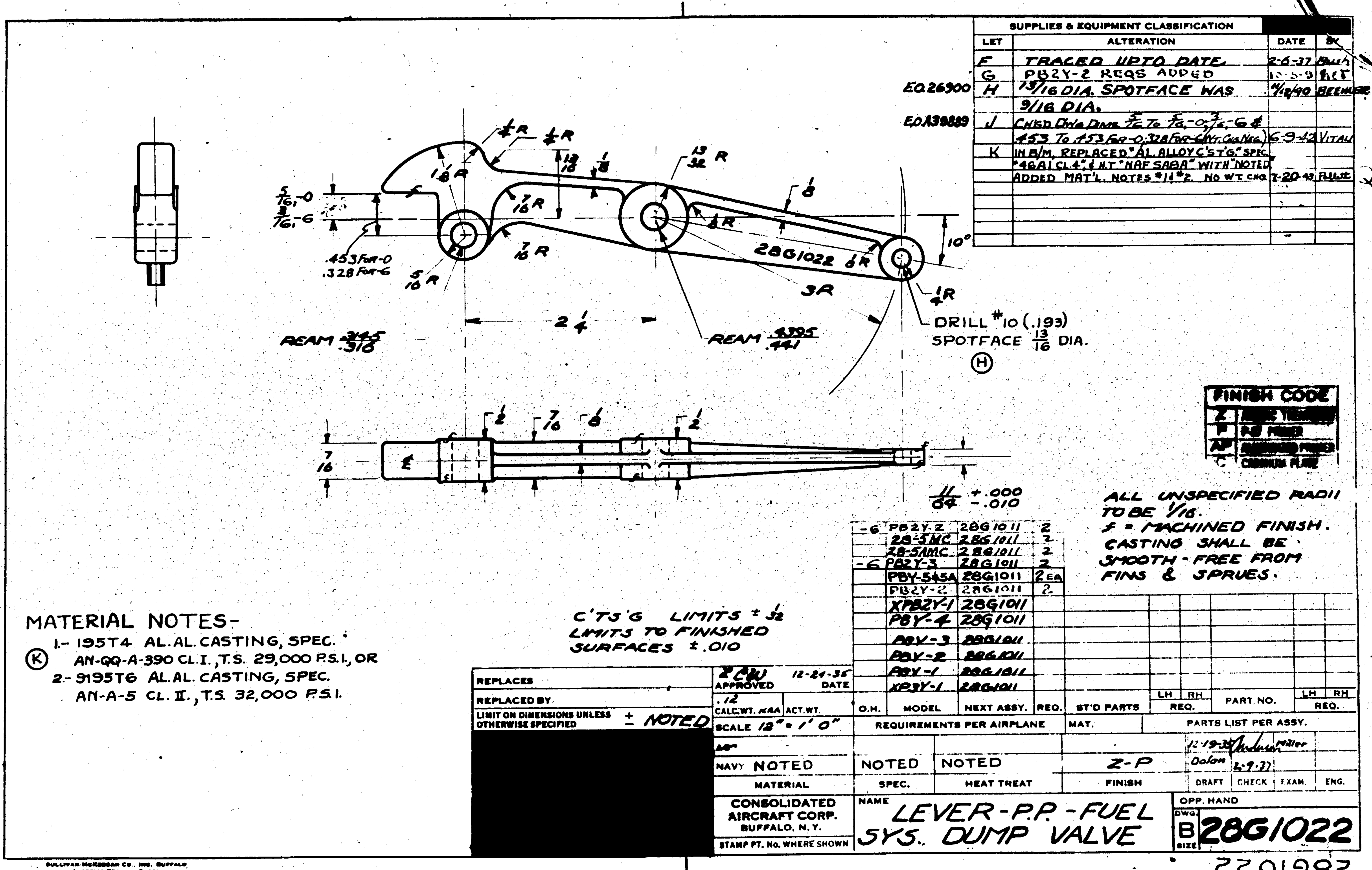
ST'D PARTS	REQ. LH	REQ. RH	PART NO.	REQ. LH	REQ. RH
			28G032-14	1	

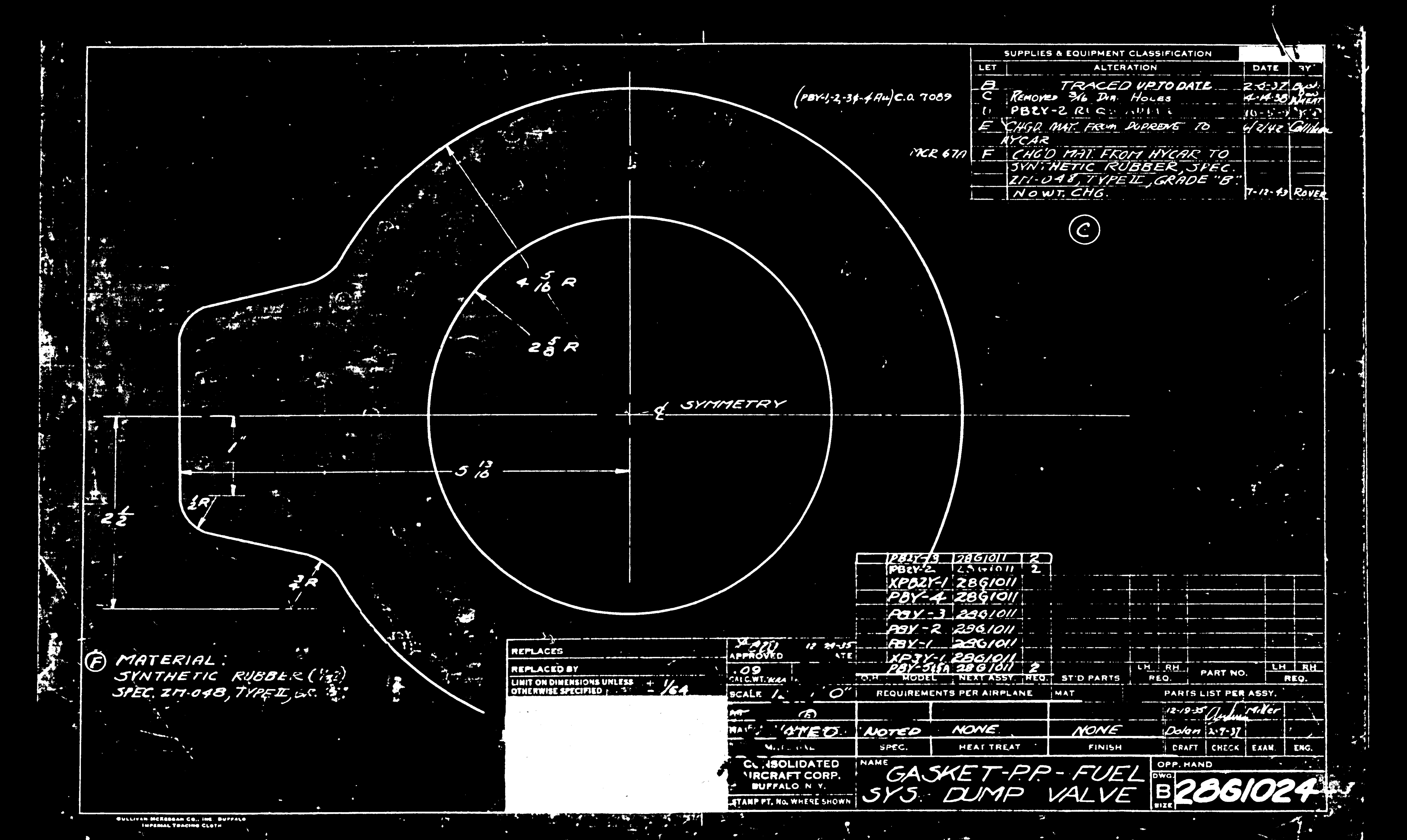
PARTS LIST PER ASSY.

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64
APPROVED 2-4-37 DATE
NOTED CALC. WT. — NOTED ACT. WT.
SCALE 12" = 1'-0"
NAVY PYRALIN — MATERIAL | COMM. — SPEC. | NONE — HEAT TREAT | NOTED — FINISH
DRAFT JEWETT 3-16-36 | CHECK 2-9-37 | EXAM. KLIEGMAN 5-1-34 | ENG. LADDON
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME SIGHT TUBE-FUEL SYSTEM
OPP. HAND
DWG. SIZE B 28G032
SULLIVAN-McMAHON CO., INC. BUFFALO — IMPERIAL TRACING CLOTH

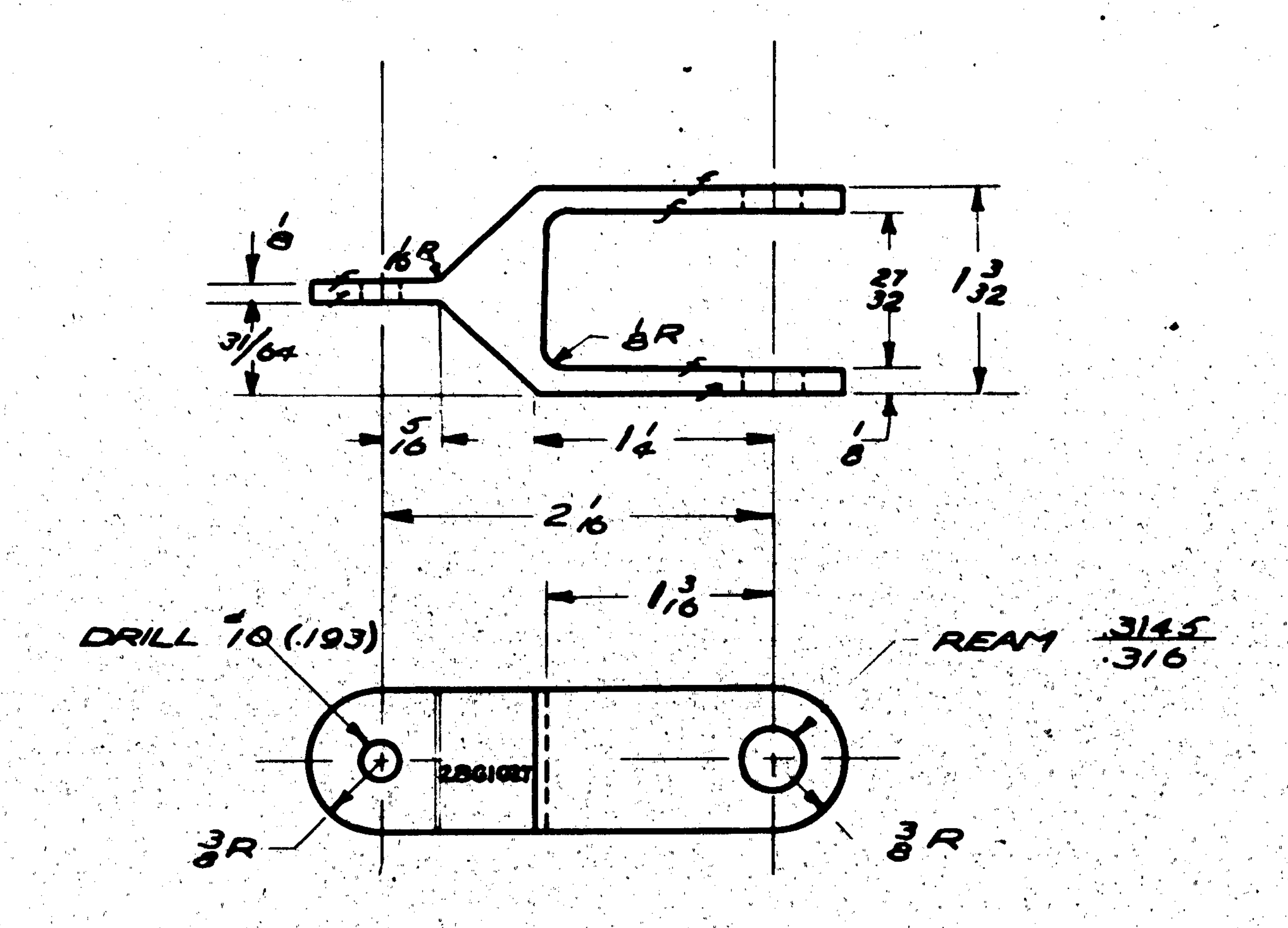

SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
L | TRACED UP TO DATE | 2-4-37 | R.A.
M | -23 PHENOLIC SPEC. 17 P5 TYPE FBG FORM S WAS -13 BLACK BAKELITE SPEC. 17-1-14. WT. CHG. NEG. | 9-25-43
22 - 33 1/32 LG.
21 - 18 23/32 LG.
20 - 42 5/16 LG.
19 - 22 15/32 LG.
6 - 26 9/16 LG.
7 - 25 1/8 LG.
8 - 14 13/32 LG.
9 - 13 11/16 LG.
.065 DIA. ALUM. ALLOY WIRE - SPEC. 46A4
WIRE MUST BE STRAIGHT & ANODIZED BEFORE SHELLACING INTO CORK
23 "PHENOLIC SPEC. 17 P5 TYPE FBG FORM S"
WASHERS - 940-D14
PEEN END OF ROD OVER WASHER
.937 ±.020 DIA.
1/16 DIA.
PRICK PUNCH WASHER OR FLATTEN WIRE TO SECURE IN PLACE
1/4 DIA.
1/32 R
PEEN END OF ROD OVER -13
A
L
-11
-10 CORK
COMMERCIAL CLOSE GRAIN
SHELLAC ALL OVER
ASSY. NO | A | L | CALC. WT. | ACTUAL WT.
28G033-2 | 2 | 26 7/16 | .021
28G033-3 | 2 | 25 | .021
28G033-4 | 1 1/2 | 14 9/32 | .014
28G033-5 | 1 1/2 | 13 9/16 | .014
28G033-15 | 1 1/2 | 22 15/32 | .017
28G033-16 | 1 1/2 | 42 5/16 | .023
28G033-17 | 1 1/2 | 18 23/32 | .016
28G033-18 | 1 1/2 | 32 29/32 | .020
-14 1
-23 1
AC940D14 2 -22 1
PARTS ASSEM. ON 28G033-18
-14 1
-23 1
AC940D14 2 -21 1
PARTS ASSEM ON 28G033-17
-14 1
-23 1
AC940D14 2 -20 1
PARTS ASSEM. ON 28G033-16
-14 1
-23 1
AC940D14 2 -19 1
PARTS ASSEM ON 28G033-15
ST'D PARTS | LH. RH. REQ. | PART NO. | LH. RH. REQ.
-5 28-5'S 28G3002 2 EA
-4 28-5'S 28G3002 2 EA
-3 28-5'S 28G3024 2 EA
-2 28-5'S 28G3024 2 EA
-5 PBY-5 28G3002 2
-4 PBY-5 28G3002 2 28G033-14 1
-3 PBY-5 28G3024 2 -23 1
-2 PBY-5 28G3024 2 AC940D14 2 -9 1
-5 28G3002 2 EA PARTS ASSY ON 28G033-5
-4 28G3002 2 EA
-3 28G3024 2 EA 28G033-14 1
-2 28G3024 2 EA -23 1
-18 XPB2Y-1 29G011 AC940D14 2 -8 1
-17 XPB2Y-1 29G012 PARTS ASSEM. ON 28G033-4
-16 XPB2Y-1 29G010
-15 XPB2Y-1 29G008 28G033-23 1
-5 PBY-2 28G3002 -10 1
-4 PBY-2 28G3002 AC940D14 2 -7 1
-3 PBY-2 28G3024 PARTS ASSEM ON 28G033-3
-2 PBY-2 28G3024
-5 PBY-1 28G3002 28G033-23 1
-4 PBY-1 28G3002 -10 1
-3 PBY-1 28G3024 AC940D14 2 -6 1
-2 PBY-1 28G3024 PARTS ASSEM. ON 28G033-2
O.H. | MODEL | NEX. ASSY | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED +
[redacted]
APPROVED 1-13-36 DATE
NOTED CALC. WT. | NOTED ACT. WT.
SCALE 12" = 1'-0"
AC
NAVY NOTED | NOTED | NONE | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
JEWETT | KLIGMAN
3-21-34 | 3-11-37 | 3-1-34
DRAFT | CHECK | EXAM. | ENG.
MAT.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N. Y.
STAMP PT. No. WHERE SHOWN
NAME FLOAT ASSEM.-FUEL SYSTEM SIGHT GAGE
DWG. B 28G033


SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
C TRACED UP TO DATE 2-5-37 Bush
D PB2Y-2 REQS ADDED 10-5-3
E REINSTATED 5 11/16 DIM. THAT WAS REMOVED WITHOUT DUE AUTHORITY. Floyd 11/19
E.O. A46044 F DIM. 13/32 R WAS 11/32 R. WT. CHG. NEG. 7-1-42 FUNK
E.O. A60953 G DIM 11/32 R WAS 13/32 R. ADDED CAST DIM 13/32 R. WT. CHG. NEG. 10-19-42
REAM .3145 .316
.3125
CAST 13/32 R.
FINISH 11/32 R
LINE REAM .3145 .316
28G1019
DRILL 1/16 PILOT THRU
THIS ANGLE TO BE HELD AS CLOSELY AS POSSIBLE.
DRILL FOR TAP DEPTH 5/8
TAP 5/16 X 24 N.F.3 DEPTH 19/32
90°
FINISH CODE
Z
P
AP
C
ALL RADII TO BE 1/16 UNLESS OTHERWISE NOTED.
REMOVE ALL FINS & SPRUES.
1.734
.867
5/16 R
3/16 R
3 7/8
5 11/16
3 5/8
5 5/16 R
2 3/8
CONT'D
NOTE :- C'ST'G LIMITS ± 1/32
LIMITS TO FIN. SURF. ± .010
XPB2Y-1 28G1011
PBY-4 28G1011
PBY-3 28G1011 2
PBY-2 28G1011 2
PBY-1 28G1011 2
XP3Y-1 28G1011
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± NOTED
APPROVED 12-24-35 DATE
20 CALC. WT.
ACT. WT.
SCALE 12" = 1'0"
O.H.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
ST'D PARTS
LH RH REQ.
PART NO.
LH RH REQ.
MAT.
PARTS LIST PER ASSY.
12-19-35 Miller
Dolan 2-9-37
NAVY AL ALLOY C'ST. 43A1 CL4 NAF SABA Z-P
MATERIAL SPEC. HEAT TREAT FINISH
DRAFT CHECK EXAM. ENG.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
NAME YOKE - P.P. - FUEL SYS. DUMP VALVE
B 28G1019
DWG. SIZE
STAMP PT. No. WHERE SHOWN
XP4Y-1 28G1011 1
PB2Y-3 28G1011 2
28-5AMC 28G1011 2
28-5MC 28G1011 2
PBY-5&5A 28G1011 2EA
O.H. MODEL NEXT ASSY REQ.
REQ. PER AIRPLANE


SUPPLIES & EQUIPMENT CLASSIFICATION
[redacted]
LET | ALTERATION | DATE | BY
F | TRACED UPTO DATE. | 2-6-37 | Bush
G | PB2Y-2 REQS ADDED
EO.26900 H | 13/16 DIA. SPOTFACE WAS 9/16 DIA.
EO.A39889 J | CHGD DWG DIMS
453 TO .453 FOR-0; .328 FOR-6 | 6-9-42
K | IN B/M, REPLACED "AL. ALLOY C'ST'G" SPEC. "46A1 CL.4" & H.T. "NAF SABA" WITH "NOTED" ADDED MAT'L. NOTES #1 & 2. NO WT CHG | 7-20-43
1/4 R
1/4 R
13/16
1/8
13/32 R
1/8 R
7/16 R
5/16-0
3/16-6
.453 FOR-0
.328 FOR-6
5/16 R
7/16 R
28G1022
3R
1/4 R
10°
2 1/4
REAM .345/.316
REAM .4395/.441
DRILL #10 (.193)
SPOTFACE 13/16 DIA.
(H)
FINISH CODE
Z
P
AP
C
1/2
7/16
1/8
1/2
7/16
11/64 +.000 -.010
ALL UNSPECIFIED RADII TO BE 1/16.
f = MACHINED FINISH.
CASTING SHALL BE SMOOTH - FREE FROM FINS & SPRUES.
-6 PB2Y-2 28G1011 2
28-5MC 28G1011 2
28-5AMC 28G1011 2
-6 PB2Y-3 28G1011 2
PBY-5&5A 28G1011 2 EA
PB2Y-2 28G1011 2
XPB2Y-1 28G1011
PBY-4 28G1011
PBY-3 28G1011
PBY-2 28G1011
PBY-1 28G1011
XP3Y-1 28G1011
MATERIAL NOTES-
(K) 1- 195T4 AL. AL. CASTING, SPEC. AN-QQ-A-390 CL.I., T.S. 29,000 P.S.I., OR
2- 9195T6 AL. AL. CASTING, SPEC. AN-A-5 CL. II., T.S. 32,000 P.S.I.
C'TS'G LIMITS ± 1/32
LIMITS TO FINISHED SURFACES ± .010
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± NOTED
[redacted]
APPROVED 12-24-35 DATE
.12 CALC. WT. ACT. WT.
SCALE 12" = 1' 0"
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
NAVY NOTED NOTED NOTED Z-P
MATERIAL SPEC. HEAT TREAT FINISH
12-19-35 Dolan 2-9-37
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME LEVER-P.P.-FUEL SYS. DUMP VALVE
OPP. HAND
DWG. B SIZE 28G1022
SULLIVAN-McKEOGAN Co. INC. BUFFALO IMPERIAL TRACING CLOTH


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B TRACED UP TO DATE 2-6-37
C REMOVED 3/16 DIA. HOLES 4-14-38
D PBZY-2
E CHGD MAT. FROM DUPRENE TO HYCAR 6/2/42
F CHG'D MAT. FROM HYCAR TO SYNTHETIC RUBBER, SPEC. ZM-048, TYPE II, GRADE "B". NO WT. CHG. 7-12-43 ROVER
(PBY-1,-2,-3&-4 Au) C.O. 7089
MCR 670
4 5/16 R
2 5/8 R
℄ SYMMETRY
1"
5 13/16
1/2 R
2 1/2
3/4 R
F MATERIAL: SYNTHETIC RUBBER (1/32) SPEC. ZM-048, TYPE II, GR. B
PB2Y-3 28G1011 2
PB2Y-2 28G1011 2
XPB2Y-1 28G1011
PBY-4 28G1011
PBY-3 28G1011
PBY-2 28G1011
PBY-1 28G1011
XP3Y-1 28G1011
PBY-5 28G1011 2
MODEL NEXT ASSY. REQ. STD PARTS
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64
APPROVED 12-24-35
.09 CALC. WT.
SCALE 1" = 1'0"
NOTED NOTED NONE NONE
MATERIAL SPEC. HEAT TREAT FINISH
12-19-35 Miller
Dolan 2-9-37
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO N.Y.
STAMP PT. No. WHERE SHOWN
NAME GASKET-P.P.-FUEL SYS. DUMP VALVE
OPP. HAND
DWG. B SIZE 28G1024
GULLIVAN-MCKEEGAN CO. INC. BUFFALO IMPERIAL TRACING CLOTH

SUPPLIES & EQUIPMENT CLASSIFICATION	[redacted]		
LET	ALTERATION	DATE	BY
B	TRACED UP TO DATE.	2-6-37	Bush
C	PB2Y-2 REQS ADDED	10-5-39	
D	IN B/M, REPLACED "AL. ALLOY C'ST'G," "46A1 CL.4," & "NAF 3A8A" WITH "NOTED," TO FACE, ADDED MATERIAL NOTE. NO WT. CHG.	8-26-43	HOOK



FINISH CODE

Z	[illegible]
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	[illegible] PLATE

f = MACHINE FINISH
CASTING SHALL BE SMOOTH FREE FROM FINS & SPRUES.

C'ST'G. LIMITS ± 1/32
LIMITS TO FINISHED SURFACES ± .010

(D)
MATERIAL MAY BE:
1. - AL. ALLOY CASTING 195T4, SPEC. AN-QQ-A-390 CL. I, T.S. 29,000 P.S.I., OR
2. - AL. ALLOY CASTING S195T6, SPEC. AN-A-5 CL. II, T.S. 32,000 P.S.I.

O.H.	MODEL	NEXT ASSY.	REQ.
	28-5MC, AMC	28G1011	2 EA.
	PBY-5	28G1011	2
	PB2Y-3	28G1011	2
	PB2Y-2	28G1011	2
	XPB2Y-1	28G1011	
	PBY-4	28G1011	
	PBY-3	28G1011	
	PBY-2	28G1011	
	PBY-1	28G1011	
	XP3Y-1	28G1011	
	PBY-5A	28G1011	2

REQUIREMENTS PER AIRPLANE

ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.
MAT.			PARTS LIST PER ASSY.		

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
[redacted]

APPROVED [signature] DATE 12-24-35
CALC. WT. .06 LBS. ACT. WT.
SCALE 12" = 1' 0"

NAVY NOTED	NOTED	NOTED	Z-P	12-14-35 Dolon	[signature] 8-9-37	Miller	
MATERIAL	SPEC.	HEAT TREAT	FINISH	DRAFT	CHECK	EXAM.	ENG.

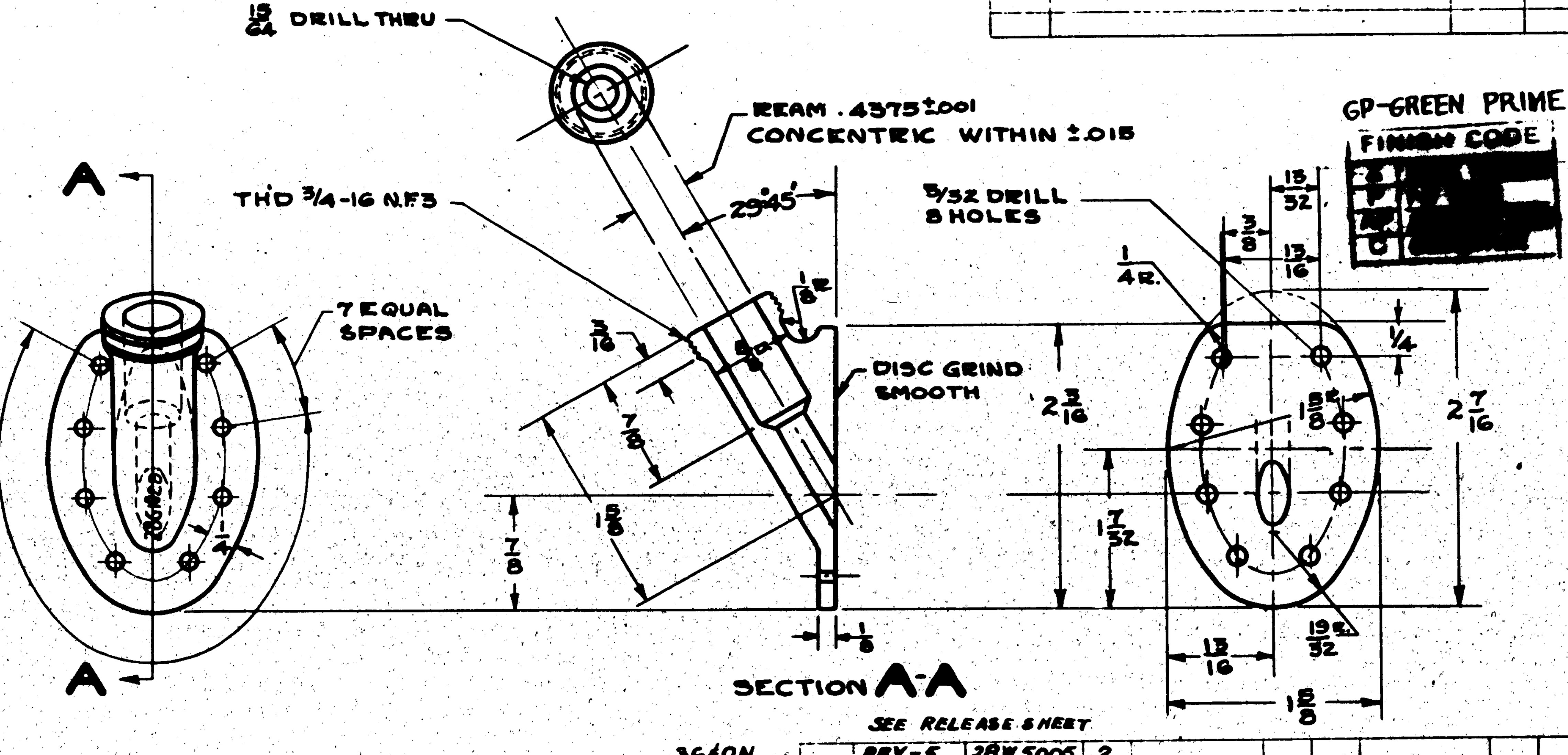
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN

NAME SHACKLE-P.P.-FUEL SYS. DUMP VALVE

OPP. HAND
DWG. SIZE B 28G1027

28G1027

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
D	TRACED UP TO DATE	8-5-37	[illegible]
E	IN B/M, REPLACED "AL AL CASTING," "46-AL CL 4" & "NAF 5ABA" WITH "NOTED," TO FACE, ADDED MATERIAL NOTE. NO WT CHG	8-26-43	HODIK



Ⓔ

MATERIAL MAY BE:
1.- AL ALLOY CASTING 195T4, SPEC. AN-QQ-A-390 CL I, T.S. 29,000 P.S.I., OR
2.- AL. ALLOY CASTING S195T6, SPEC. AN-A-5 CL. II, T.S. 32,000 P.S.I.

NOTE:- REMOVE ALL FINS & SPRUES

SEE RELEASE SHEET

36¢ON

O.H.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.
	PBY-5	28W5005	2						
	PBY-5A	28W5005	2						
	PBY-4	28W4005							
	PBY-3	28W3005							
	PBY-2	28W2005							
	PBY-1	28W005							

REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.

REPLACES	
REPLACED BY	
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	± 1/32 & 1/2°

[redacted]

APPROVED [illegible] 8-5-37 DATE

.06 CALC.WT. | ACT.WT.

SCALE 12" = 1'-0"

	MATERIAL	SPEC.	HEAT TREAT	FINISH
AC				
NAVY	NOTED	NOTED	NOTED	Z-P-26P

DRAFT	CHECK	EXAM.	ENG.
Bourque 12-18-36	Schultz 8-5-37		

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.

STAMP PT. NO. WHERE SHOWN

NAME FLANGE
FUEL SYSTEM
DUMP VALVE GLAND PACKING

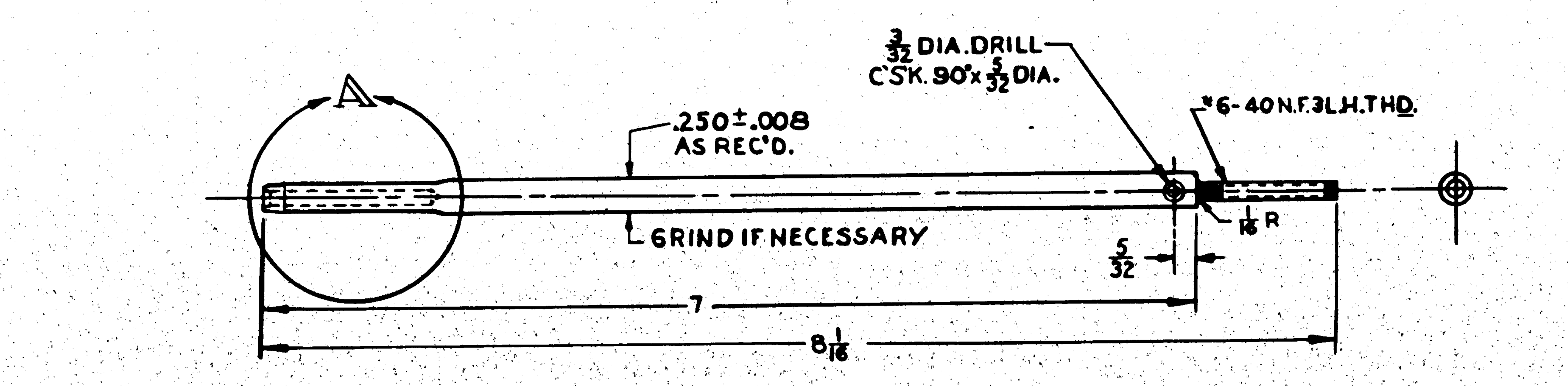
OPP. HAND

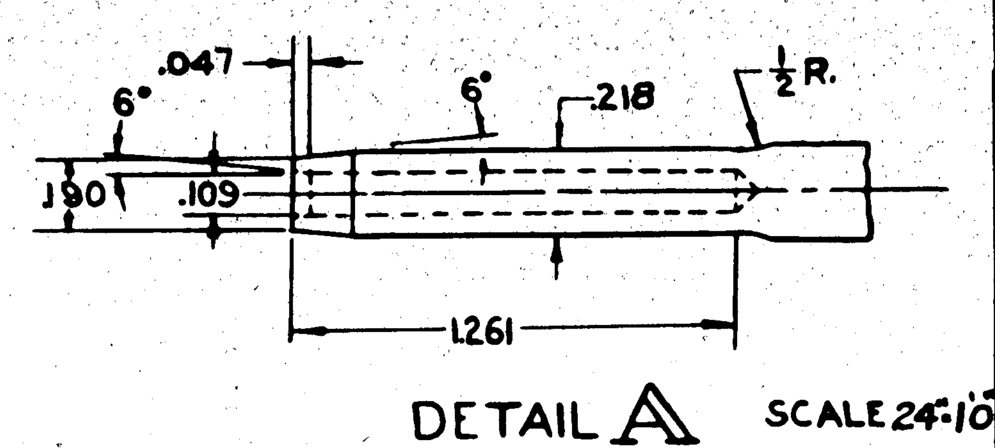
DWG. SIZE B 28G1028

28G1028

NOTE-ALTERNATE MATERIAL:
1.-CORR. RESISTANT STEEL-AN-QQ-S-771-COMP. FM- COND A (FINISH NONE), OR
2.-CORR. RESISTANT STEEL-AN-QQ-S-771-COMP. G COND B (WORK HARDENED), OR
3.-STAINLESS IRON-TYPE 416-46S18-GR. 3C, OR
4.-STAINLESS STEEL, SPEC. AN-QQ-S-771, COMP. G, COND. A.

LET	ALTERATION	DATE	BY
N	REVISED & REDRAWN TO		
	CONFORM WITH SWAGING		
	SPEC. AN-T-2 NO WT. CHG	5-6-43	CROOK
P	ADDED #4 TO ALTERNATE MAT'L. NOTE.		
	NO WT. CHG.	2-16-49	R. [illegible]





DETAIL A SCALE 24"-10"

TO BE SWAGED IN ACCORDANCE
WITH SPEC. AN-T-2

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	28-5AMC	28G1031-2	2
	28-5MC	28G1031-2	2
	PBY-5A	28G1031-2	2
	PBY-5	28G1031-2	2
	XPB2Y-1	29G040	
	PBY-4	28G1031	
	PBY-3	28G1031	
	PBY-2	28G1031	
	PBY-1	28G1031	

REQUIREMENTS PER AIRPLANE

REPLACES 28G1040 OF 12-19-35	.13 CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010	SCALE 12"-10"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	LH -0 REQ.	RH -0 REQ.	LH -2 REQ.	RH -2 REQ.	LH -3 REQ.	RH -3 REQ.	LH -4 REQ.	RH -4 REQ.	LH -5 REQ.	RH -5 REQ.
	NOTED	NOTED	NOTED										

PARTS LIST PER ASSY.

AC		BOURQUE	[illegible]	MILLER	[illegible]	ZCW	M
NAVY NONE	NOTED	12-19-35	12-5-36		[illegible]	12-4-36	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

NAME TERMINAL-FUEL SYSTEM DUMP VALVE RELEASE CABLE

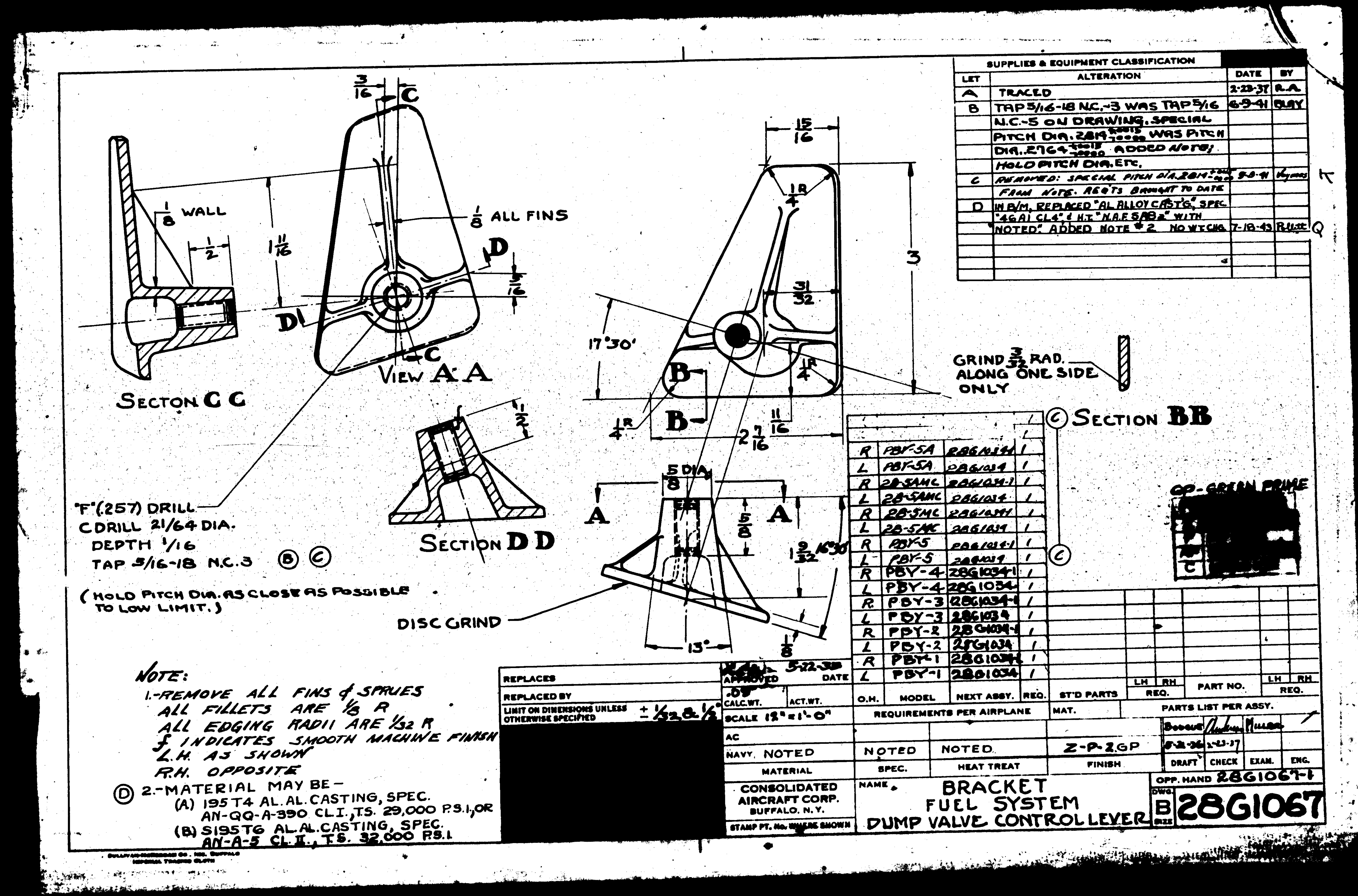
OPP. HAND

DWG. SIZE B 28G1040

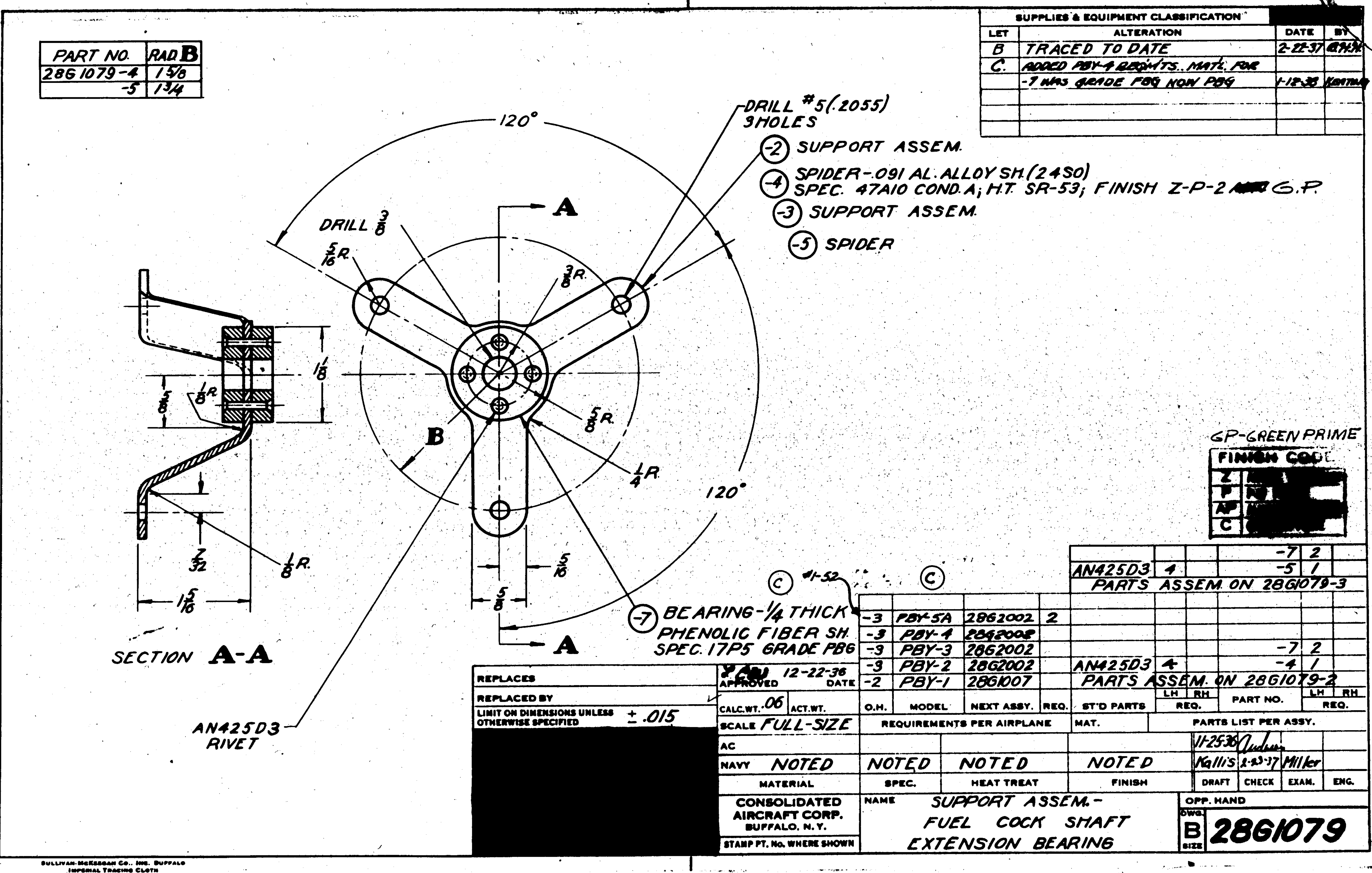
CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.

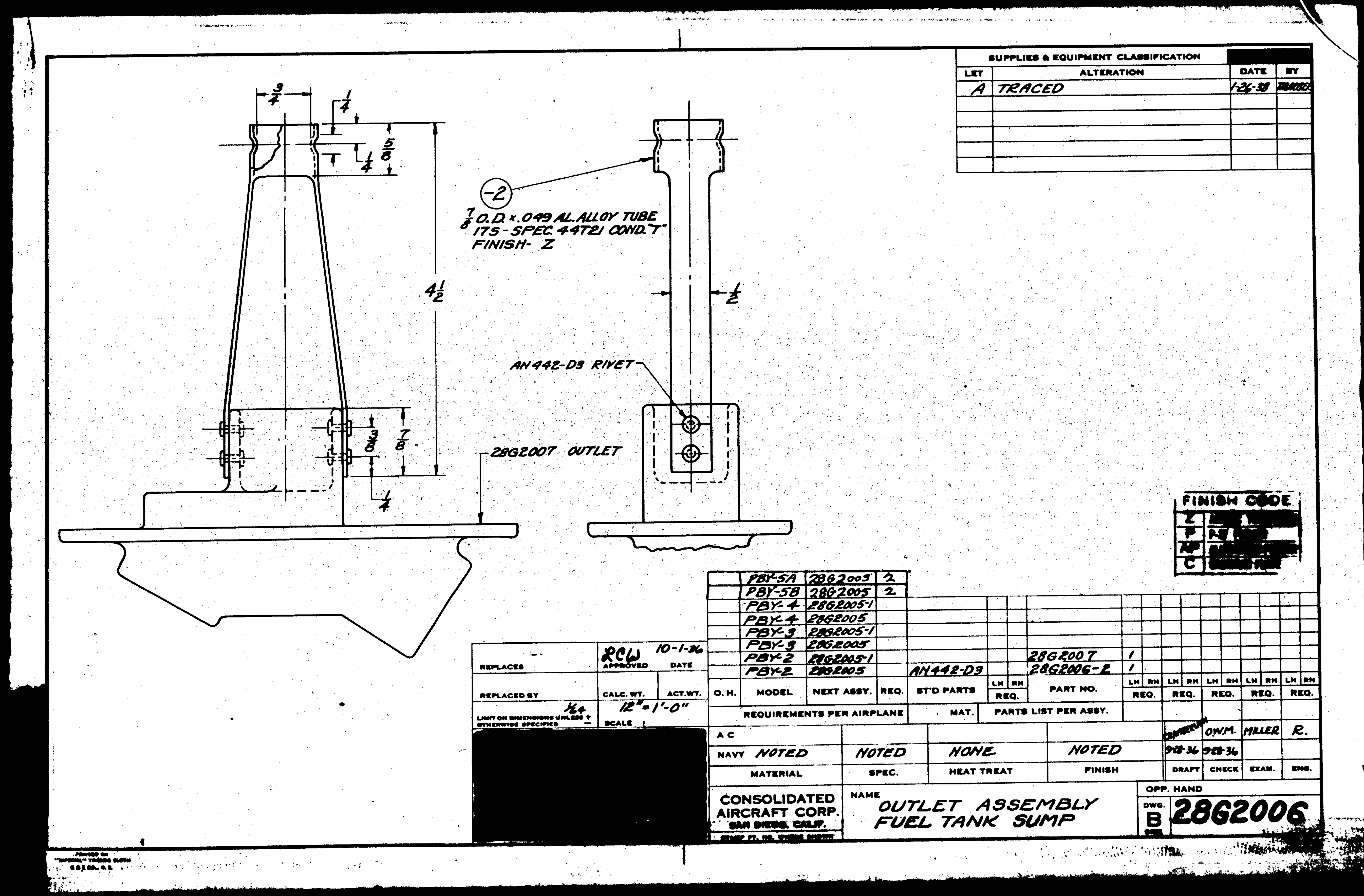
R

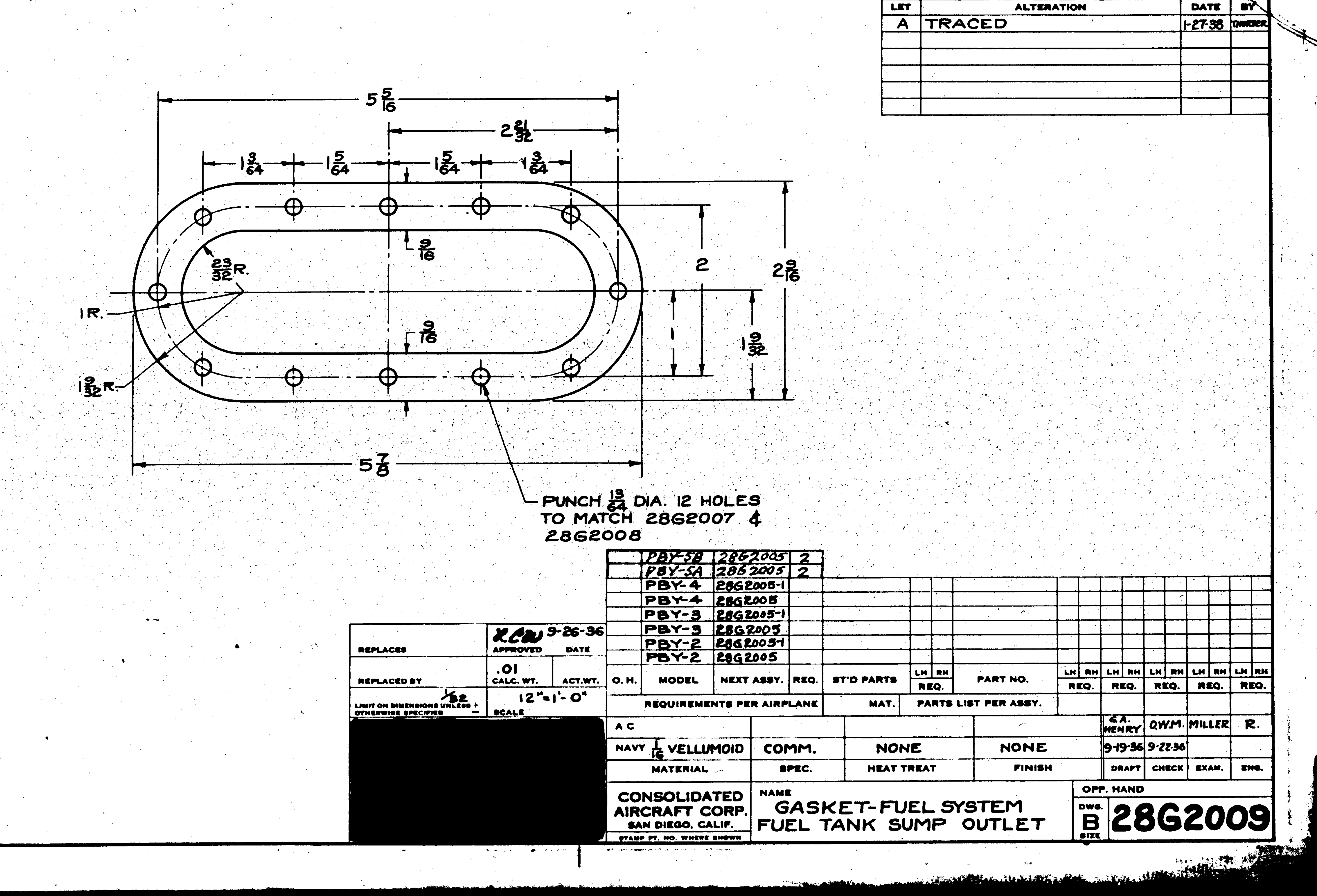
28G1040



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED | 2-23-37 | R.A.
B | TAP 5/16-18 N.C.-3 WAS TAP 5/16 N.C.-5 ON DRAWING. SPECIAL PITCH DIA. .2819 WAS PITCH DIA. .2764 ADDED NOTE; HOLD PITCH DIA. ETC. | 6-9-41
C | REMOVED: SPECIAL PITCH DIA. .2819 FROM NOTE. REQ'TS BROUGHT TO DATE
D | IN B/M, REPLACED "AL ALLOY CAST'G" SPEC. "46A1 CL4" & H.T. "N.A.F. 5AB2" WITH "NOTED". ADDED NOTE # 2. NO WTCHG. | 7-18-43
3/16
C
15/16
1/4 R
1/8 WALL
1/2
1 11/16
1/8 ALL FINS
D
5/16
3
31/32
D
C
17°30'
B
1/4 R
GRIND 3/32 RAD. ALONG ONE SIDE ONLY
VIEW A A
SECTON C C
1/4 R
B
11/16
2 7/16
SECTION BB
1/2
5/8 DIA
A
A
5/8
1 9/32
16°30'
"F" (.257) DRILL
C DRILL 21/64 DIA.
DEPTH 1/16
TAP 5/16-18 N.C.3 (B) (C)
(HOLD PITCH DIA. AS CLOSE AS POSSIBLE TO LOW LIMIT.)
SECTION D D
DISC GRIND
13°
1/8
NOTE:
1.-REMOVE ALL FINS & SPRUES
ALL FILLETS ARE 1/8 R
ALL EDGING RADII ARE 1/32 R
f INDICATES SMOOTH MACHINE FINISH
L.H. AS SHOWN
R.H. OPPOSITE
(D) 2.-MATERIAL MAY BE-
(A) 195 T4 AL. AL. CASTING, SPEC. AN-QQ-A-390 CL.I., T.S. 29,000 P.S.I., OR
(B) S195T6 AL. AL. CASTING, SPEC. AN-A-5 CL.II., T.S. 32,000 P.S.I.
R | PBY-5A | 28G1034-1 | 1
L | PBY-5A | 28G1034 | 1
R | 28-5AMC | 28G1034-1 | 1
L | 28-5AMC | 28G1034 | 1
R | 28-5MC | 28G1034-1 | 1
L | 28-5MC | 28G1034 | 1
R | PBY-5 | 28G1034-1 | 1
L | PBY-5 | 28G1034 | 1
R | PBY-4 | 28G1034-1 | 1
L | PBY-4 | 28G1034 | 1
R | PBY-3 | 28G1034-1 | 1
L | PBY-3 | 28G1034 | 1
R | PBY-2 | 28G1034-1 | 1
L | PBY-2 | 28G1034 | 1
R | PBY-1 | 28G1034-1 | 1
L | PBY-1 | 28G1034 | 1
O.H. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
STD PARTS | LH | RH | REQ. | PART NO. | LH | RH | REQ.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 & 1/2°
APPROVED 5-22-38 DATE
.09 CALC.WT. | ACT.WT.
SCALE 12" = 1'-0"
AC
NAVY NOTED | NOTED | NOTED | Z-P-2GP
MATERIAL | SPEC. | HEAT TREAT | FINISH
5-21-36 | 2-23-37
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME BRACKET FUEL SYSTEM DUMP VALVE CONTROL LEVER
OPP. HAND 28G1067-1
DWG. B SIZE 28G1067


PART NO. | RAD. B
28G1079-4 | 1 5/8
-5 | 1 3/4
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B | TRACED TO DATE | 2-22-37
C. | ADDED PBY-4 WEIGHTS. MATL. FOR -7 WAS GRADE FBG NOW PBG | 1-12-38
DRILL #5(.2055) 3HOLES
(-2) SUPPORT ASSEM.
(-4) SPIDER-.091 AL. ALLOY SH.(24SO) SPEC. 47A10 COND. A; H.T. SR-53; FINISH Z-P-2 G.P.
(-3) SUPPORT ASSEM.
(-5) SPIDER
120°
DRILL 3/8
5/16 R.
3/8 R.
5/8 R.
1/4 R.
1/8 R.
1 1/8
5/8
7/32
1 5/16
5/16
A
B
SECTION A-A
AN425D3 RIVET
(-7) BEARING-1/4 THICK PHENOLIC FIBER SH. SPEC. 17P5 GRADE PBG
GP-GREEN PRIME
FINISH CODE
Z
P
AP
C
[redacted]
-7 | 2
AN425D3 | 4 | -5 | 1
PARTS ASSEM. ON 28G1079-3
-3 | PBY-5A | 28G2002 | 2
-3 | PBY-4 | 28G2002
-3 | PBY-3 | 28G2002 | -7 | 2
-3 | PBY-2 | 28G2002 | AN425D3 | 4 | -4 | 1
-2 | PBY-1 | 28G1007 | PARTS ASSEM. ON 28G1079-2
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH | RH | REQ. | PART NO. | LH | RH | REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .015
APPROVED 12-22-36 DATE
CALC.WT. .06 ACT.WT.
SCALE FULL-SIZE
AC
NAVY NOTED | NOTED | NOTED | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
11-25-36 | Kallis | 2-23-37 | Miller
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME SUPPORT ASSEM.- FUEL COCK SHAFT EXTENSION BEARING
OPP. HAND
DWG. B SIZE 28G1079
SULLIVAN-McKESSON CO., INC. BUFFALO
IMPERIAL TRACING CLOTH


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED | 1-26-39
3/4
1/4
5/8
1/4
4 1/2
-2
7/8 O.D. x .049 AL. ALLOY TUBE
17S - SPEC. 44T21 COND. "T"
FINISH- Z
1/2
AN442-D3 RIVET
3/8
7/8
1/4
28G2007 OUTLET
FINISH CODE
Z
P
AP
C
[redacted]
PBY-5A | 28G2005 | 2
PBY-5B | 28G2005 | 2
PBY-4 | 28G2005-1
PBY-4 | 28G2005
PBY-3 | 28G2005-1
PBY-3 | 28G2005
PBY-2 | 28G2005-1
PBY-2 | 28G2005
AN442-D3
28G2007 | 1
28G2006-2 | 1
REPLACES
RCW APPROVED
10-1-36 DATE
REPLACED BY
CALC. WT.
ACT. WT.
1/64 LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
12" = 1'-0" SCALE
[redacted]
O. H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ. | LH RH REQ. | LH RH REQ. | LH RH REQ. | LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
A C
NAVY NOTED | NOTED | NONE | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
DWM. | MILLER | R.
9-28-36 | 9-28-36
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
NAME OUTLET ASSEMBLY FUEL TANK SUMP
OPP. HAND
DWG. B
28G2006



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED | 1-27-38
5 5/16
2 21/32
1 3/64
1 5/64
1 5/64
1 3/64
9/16
9/16
23/32 R.
1 R.
1 9/32 R.
2
2 9/16
1 9/32
5 7/8
PUNCH 13/64 DIA. 12 HOLES
TO MATCH 28G2007 &
28G2008
PBY-5B 28G2005 2
PBY-5A 28G2005 2
PBY-4 28G2005-1
PBY-4 28G2005
PBY-3 28G2005-1
PBY-3 28G2005
PBY-2 28G2005-1
PBY-2 28G2005
O. H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES
APPROVED 9-26-36 DATE
REPLACED BY
.01 CALC. WT. | ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
12" = 1'-0" SCALE
[redacted]
A C
NAVY 1/16 VELLUMOID | COMM. | NONE | NONE
MATERIAL | SPEC. | HEAT TREAT | FINISH
G.A. HENRY | O.W.M. | MILLER | R.
9-19-36 | 9-22-36
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN
NAME
GASKET-FUEL SYSTEM
FUEL TANK SUMP OUTLET
OPP. HAND
DWG. B SIZE
28G2009

SUPPLIES & EQUIPMENT CLASSIFICATION		[redacted]	
LET	ALTERATION	DATE	BY
A	TRACED	1-27-38	THURBER
B	$2\frac{3}{8}$ WAS $2\frac{7}{32}$ $2\frac{1}{8}$ WAS $2\frac{1}{16}$ $9\frac{5}{8}$ WAS $9\frac{7}{16}$	11-1-40	KING.

E.O. 21232

GP-GREEN PRIMER

FIN[redacted]CODE	
Z	[redacted]
F	[redacted]
AP	[redacted]
C	[redacted]

REPLACES	LCW APPROVED	11-12-36 DATE
REPLACED BY	.14 CALC. WT.	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	SCALE 12" = 1'-0"	

[redacted]

O. H.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.	LH REQ.	RH REQ.	LH REQ.	RH REQ.	LH REQ.	RH REQ.	LH REQ.	RH REQ.
	PBY-5B	28G2002	1														
	PBY-5&5A	28G2002	1EA														
	PBY-4	28G2002															
	PBY-3	28G2002															
	PBY-2	28G2002															
REQUIREMENTS PER AIRPLANE				MAT.	PARTS LIST PER ASSY.												

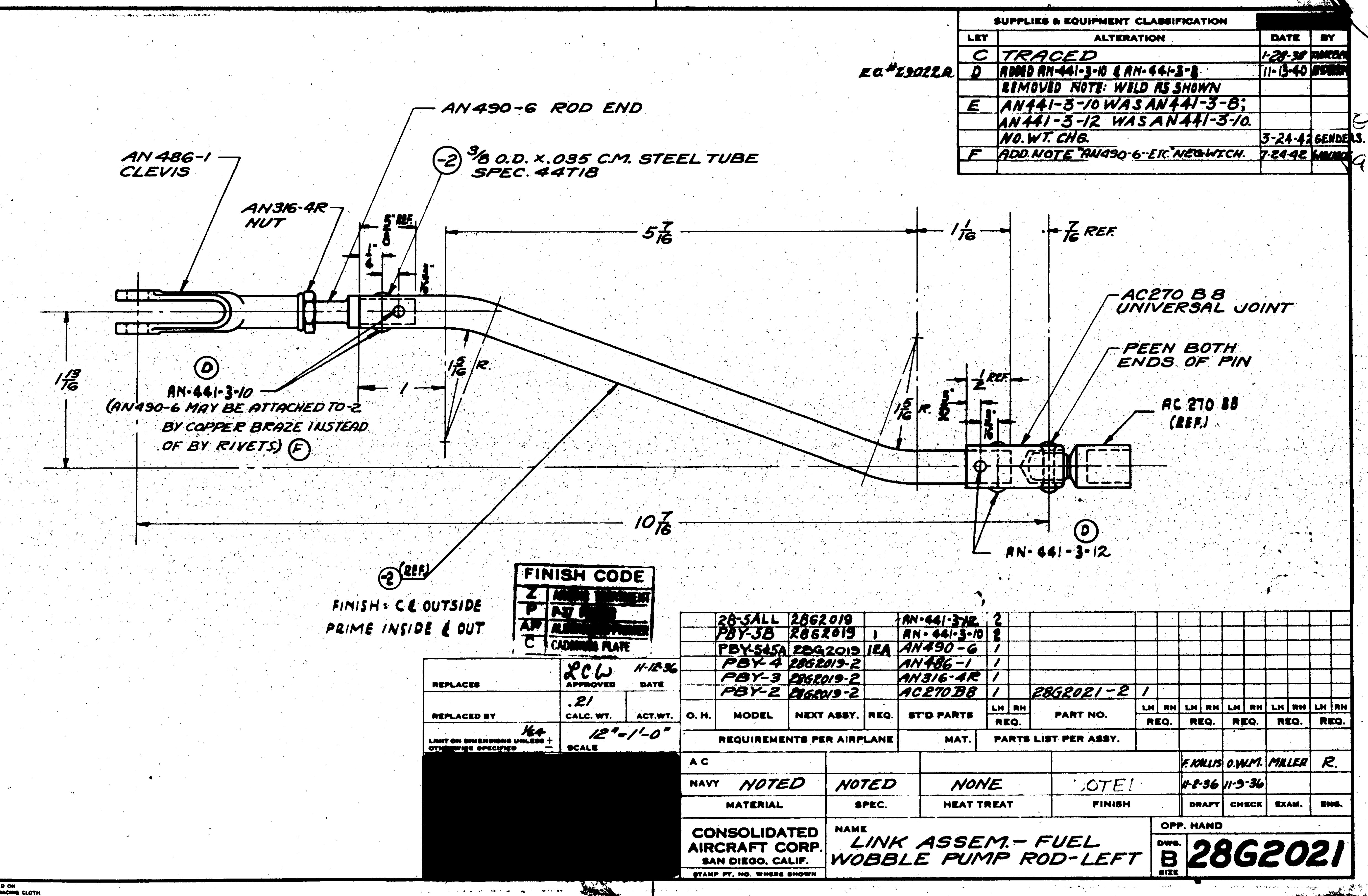
MATERIAL	SPEC.	HEAT TREAT	FINISH	DRAFT	CHECK	EXAM.	ENG.
A C				F. KALUS	O.W.M.	MILLER	R.
NAVY .051 AL. ALLOY SHT. (24S)	47A10 COND. T	NONE	Z-P-2[redacted]GP	10-14-36	10-28-36		

CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN

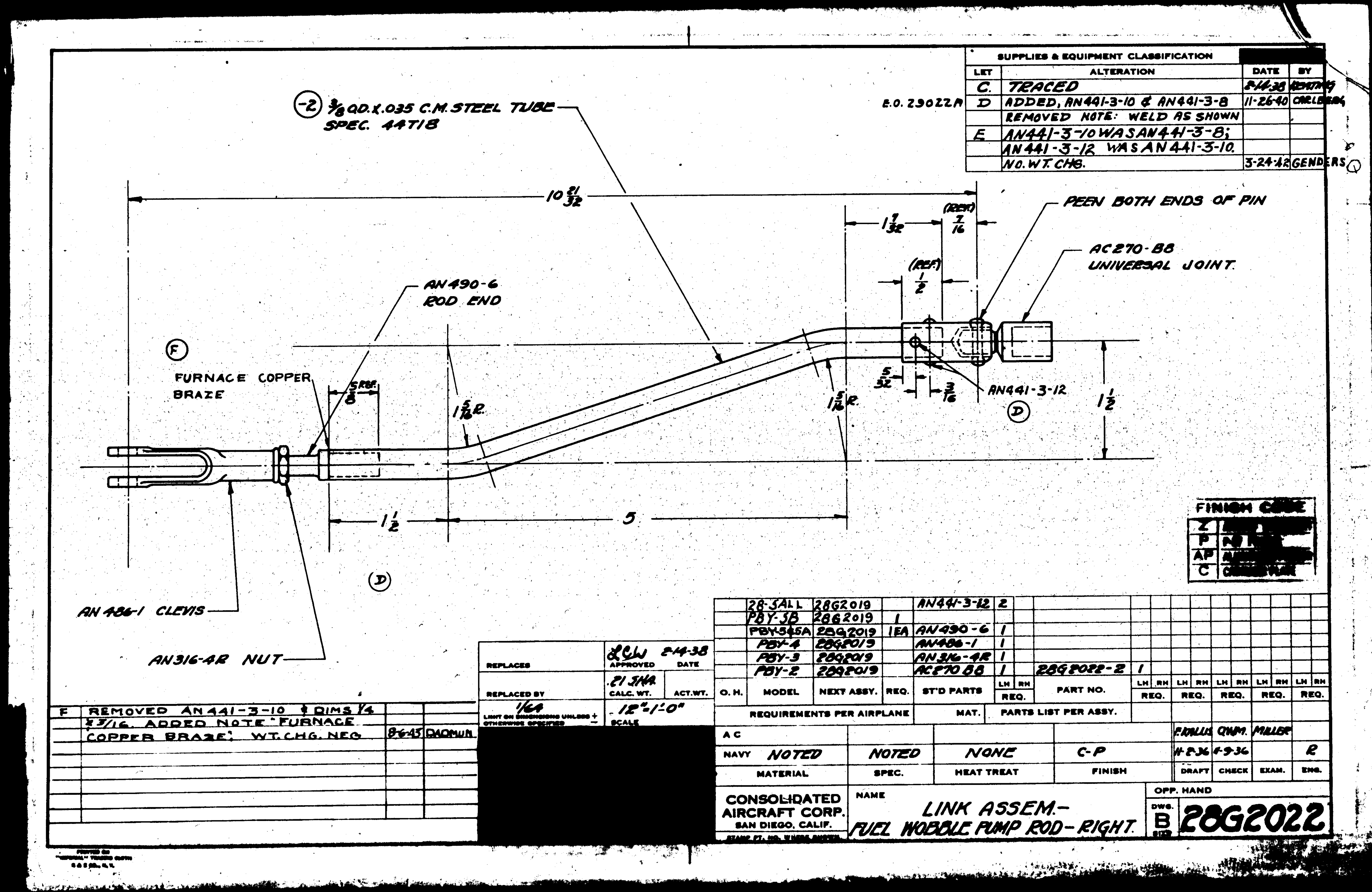
NAME: CHANNEL-FUEL SYSTEM-UNITS BRACE

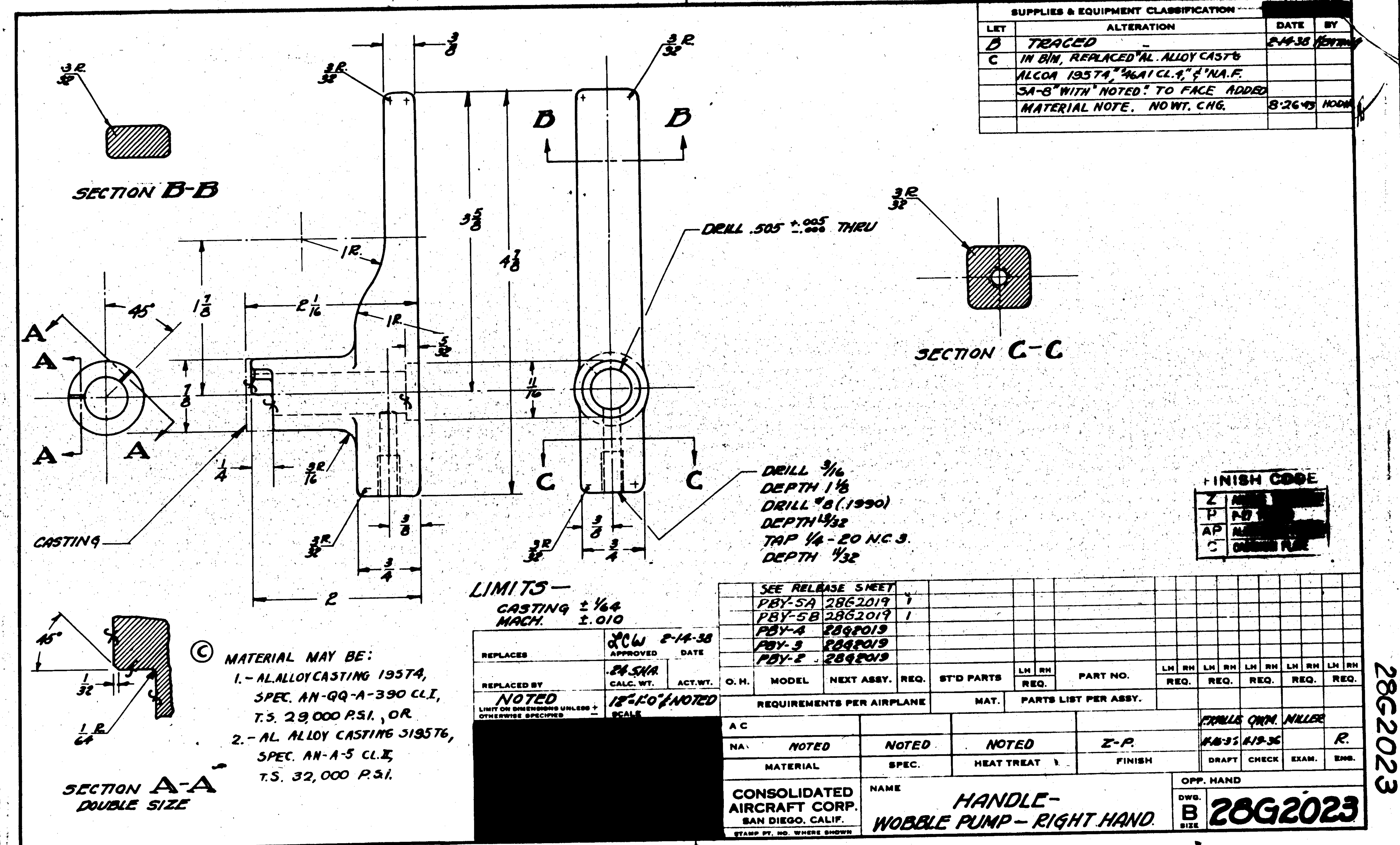
OPP. HAND

DWG. SIZE B 28G2015

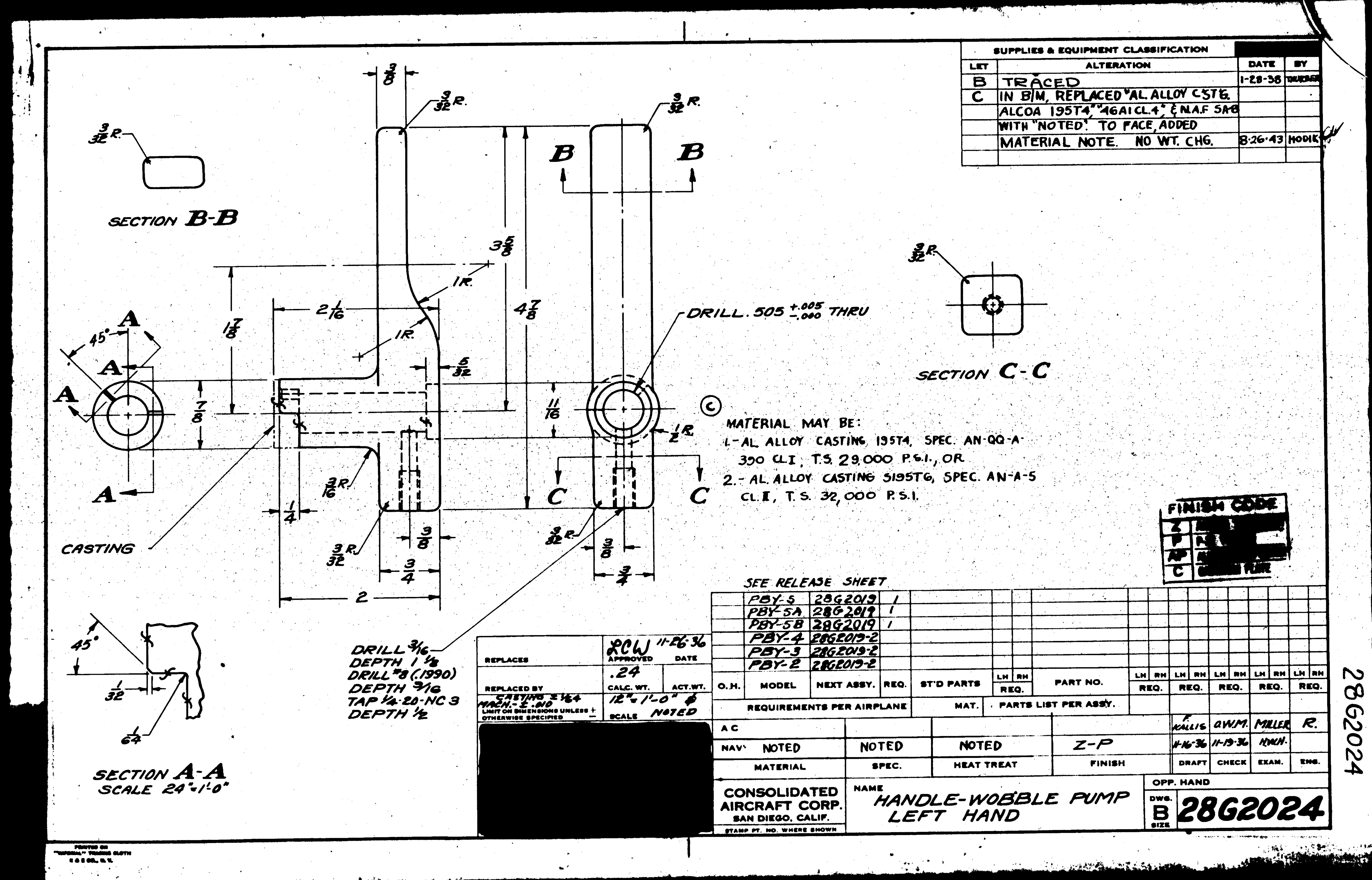


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C TRACED 1-28-38
D ADDED AN-441-3-10 & AN-441-3-8 11-13-40
REMOVED NOTE: WELD AS SHOWN
E AN441-3-10 WAS AN441-3-8; AN441-3-12 WAS AN441-3-10. NO. WT. CHG. 3-24-42 GENDERS.
F ADD. NOTE "AN490-6-ETC." NEG-WTCH. 7-24-42
E.O. #Z9022A
AN490-6 ROD END
AN486-1 CLEVIS
AN316-4R NUT
-2 3/8 O.D. X .035 C.M. STEEL TUBE SPEC. 44T18
5 7/16
1 1/16
7/16 REF.
AC270 B8 UNIVERSAL JOINT
PEEN BOTH ENDS OF PIN
AC 270 B8 (REF.)
1 13/16
1 5/16 R.
1/2 REF.
AN-441-3-10
(AN490-6 MAY BE ATTACHED TO -2 BY COPPER BRAZE INSTEAD OF BY RIVETS) F
10 7/16
AN-441-3-12
-2 (REF.)
FINISH: C.L. OUTSIDE PRIME INSIDE & OUT
FINISH CODE
Z
P
AP
C CADMIUM PLATE
28-5ALL 28G2019 AN-441-3-12 2
PBY-5B 28G2019 1 AN-441-3-10 2
PBY-5&5A 28G2019 1EA AN490-6 1
PBY-4 28G2019-2 AN486-1 1
PBY-3 28G2019-2 AN316-4R 1
PBY-2 28G2019-2 AC270B8 1 28G2021-2 1
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
REPLACES LCW APPROVED 11-12-36 DATE
REPLACED BY .21 CALC. WT. ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64
12" = 1'-0" SCALE
AC
NAVY NOTED NOTED NONE NOTED
MATERIAL SPEC. HEAT TREAT FINISH
F. KALLIS O.W.M. MILLER R.
11-2-36 11-9-36
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN
NAME LINK ASSEM. - FUEL WOBBLE PUMP ROD - LEFT
OPP. HAND
DWG. SIZE B 28G2021
PRINTED ON "IMPERIAL" TRACING CLOTH

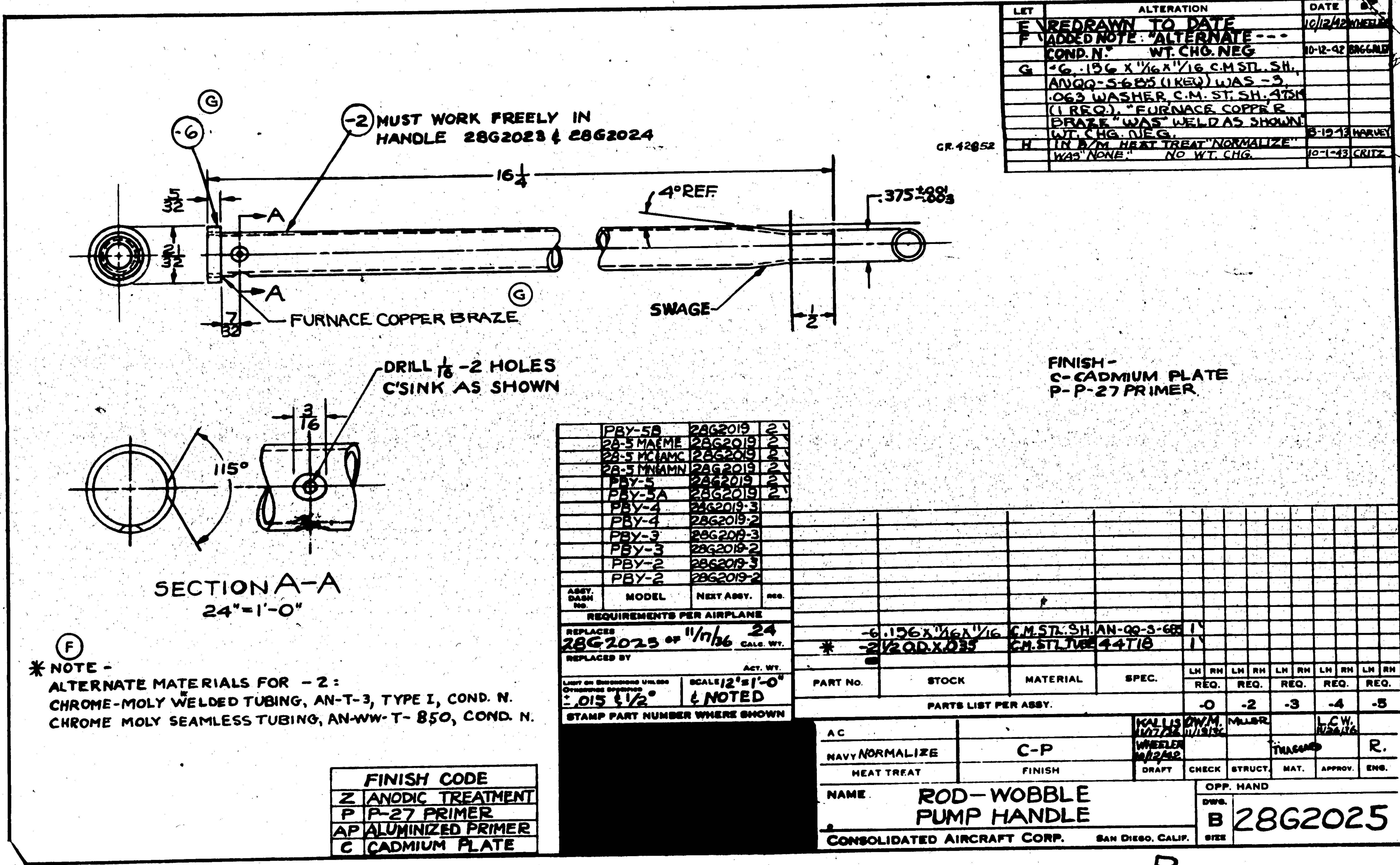

SUPPLIES & EQUIPMENT CLASSIFICATION [redacted]
LET | ALTERATION | DATE | BY
C. TRACED 2-14-38
D ADDED, AN441-3-10 & AN441-3-8 11-26-40 CARLBERG
REMOVED NOTE: WELD AS SHOWN
E AN441-3-10 WAS AN441-3-8; AN441-3-12 WAS AN441-3-10. NO. WT. CHG. 3-24-42 GENDERS
E.O. 29022A
-2 3/8 O.D. X .035 C.M. STEEL TUBE SPEC. 44T18
10 21/32
1 9/32
(REF.) 7/16
PEEN BOTH ENDS OF PIN
AC270-B8 UNIVERSAL JOINT
(REF.) 1/2
AN490-6 ROD END
F
FURNACE COPPER BRAZE
5/8 REF.
1 5/16 R.
1 5/16 R.
5/32
3/16
AN441-3-12
D
1 1/2
1 1/2
5
D
AN486-1 CLEVIS
AN316-4R NUT
FINISH CODE
Z [redacted]
P [redacted]
AP [redacted]
C [redacted]
28-5ALL 28G2019 AN441-3-12 2
PBY-5B 28G2019 1
PBY-5&5A 28G2019 1EA AN490-6 1
PBY-4 28G2019 AN486-1 1
PBY-3 28G2019 AN316-4R 1
PBY-2 28G2019 AC270B8 1 28G2022-2 1
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
REPLACES
LCW 2-14-38 APPROVED DATE
REPLACED BY
.21 SHA. CALC. WT. ACT. WT.
1/64 LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
12"=1'-0" SCALE
F REMOVED AN441-3-10 & DIMS 1/4 & 3/16. ADDED NOTE "FURNACE COPPER BRAZE". WT. CHG. NEG. 8-6-45 DAUMUN
[redacted]
AC
NAVY NOTED NOTED NONE C-P
MATERIAL SPEC. HEAT TREAT FINISH
FINALIS QWM. MILLER
11-2-36 11-9-36 R
DRAFT CHECK EXAM. ENG.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN
NAME LINK ASSEM.- FUEL WOBBLE PUMP ROD - RIGHT
DWG. SIZE B 28G2022



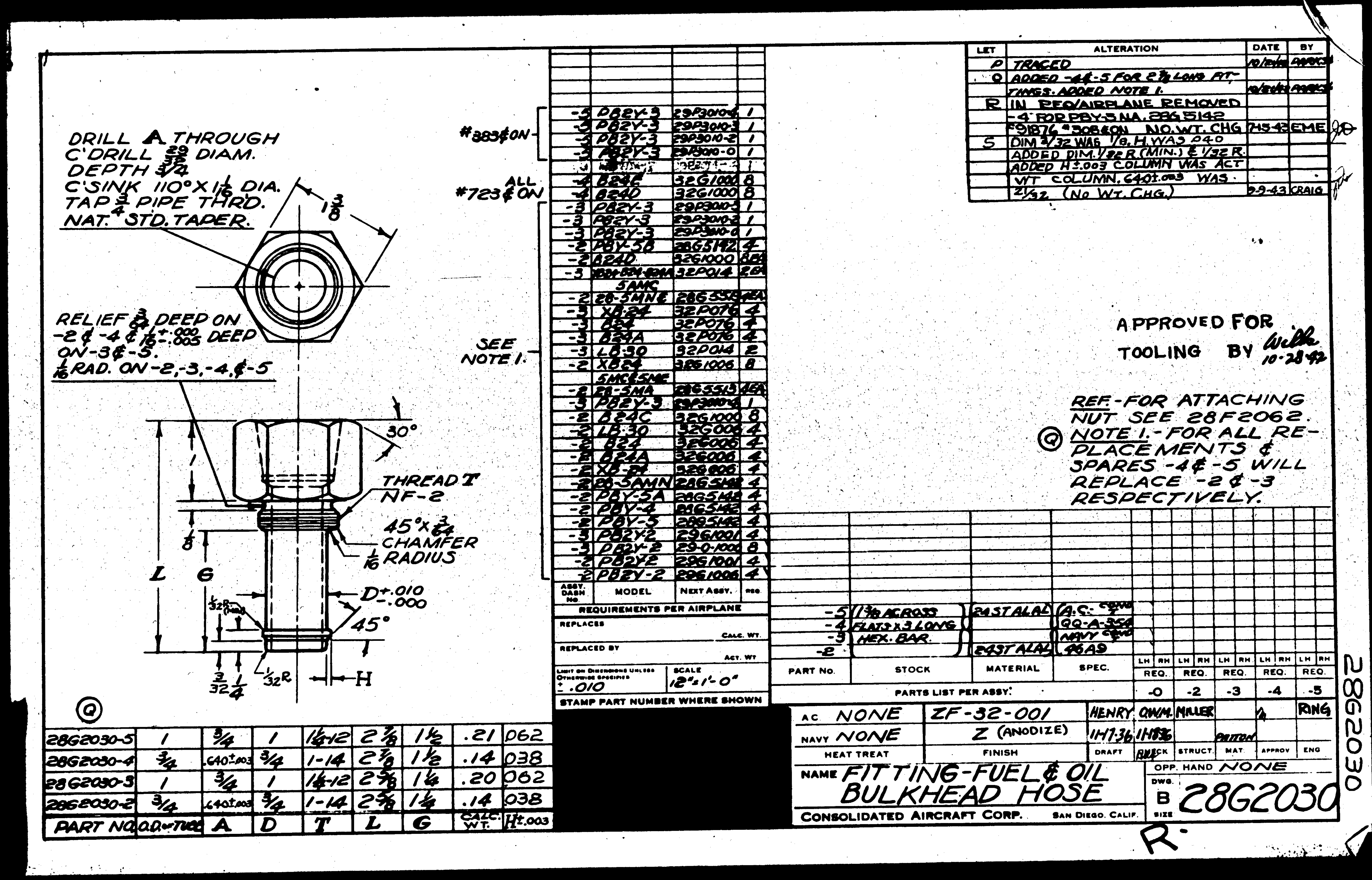
SUPPLIES & EQUIPMENT CLASSIFICATION [redacted]
LET | ALTERATION | DATE | BY
B | TRACED | 2-14-38
C | IN B/M, REPLACED "AL. ALLOY CAST'G ALCOA 195T4," "46A1 CL.1," & "NA.F. 5A-8" WITH "NOTED." TO FACE ADDED MATERIAL NOTE. NO WT. CHG. | 8-26-43 | HODW
SECTION B-B
3/32 R.
B B
DRILL .505 +.005/-.000 THRU
3/8
3 5/8
4 7/8
1R.
1 7/8
2 1/16
45°
5/32
11/16
7/8
1/4
3/16 R
CASTING
3/32 R
3/8
3/4
2
C C
DRILL 3/16
DEPTH 1 1/8
DRILL #8 (.1990)
DEPTH 13/32
TAP 1/4-20 N.C.3.
DEPTH 11/32
SECTION C-C
FINISH CODE
Z [redacted]
P [redacted]
AP [redacted]
C [redacted]
A A A A
LIMITS —
CASTING ± 1/64
MACH. ± .010
45°
1/32
1/64 R.
SECTION A-A
DOUBLE SIZE
© MATERIAL MAY BE:
1. - AL. ALLOY CASTING 195T4, SPEC. AN-QQ-A-390 CL.I, T.S. 29,000 P.S.I., OR
2. - AL. ALLOY CASTING 5195T6, SPEC. AN-A-5 CL.II, T.S. 32,000 P.S.I.
REPLACES | LCW 2-14-38 APPROVED | DATE
REPLACED BY | .24 SHA CALC. WT. | ACT. WT.
NOTED | 12" = 1'-0" & NOTED SCALE
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
[redacted]
SEE RELEASE SHEET
PBY-5A 28G2019 1
PBY-5B 28G2019 1
PBY-4 28G2019
PBY-3 28G2019
PBY-2 28G2019
O.H. | MODEL | NEXT ASSY. | REQ. | STD PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
A C
NA NOTED | NOTED | NOTED | Z-P. | FRALLS | OWM. | MILLER
MATERIAL | SPEC. | HEAT TREAT | FINISH | 1-16-36 | 1-19-36 | R.
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN
NAME HANDLE- WOBBLE PUMP - RIGHT HAND.
OPP. HAND
DWG. B SIZE 28G2023
28G2023
PRINTED ON "IMPERIAL" TRACING CLOTH



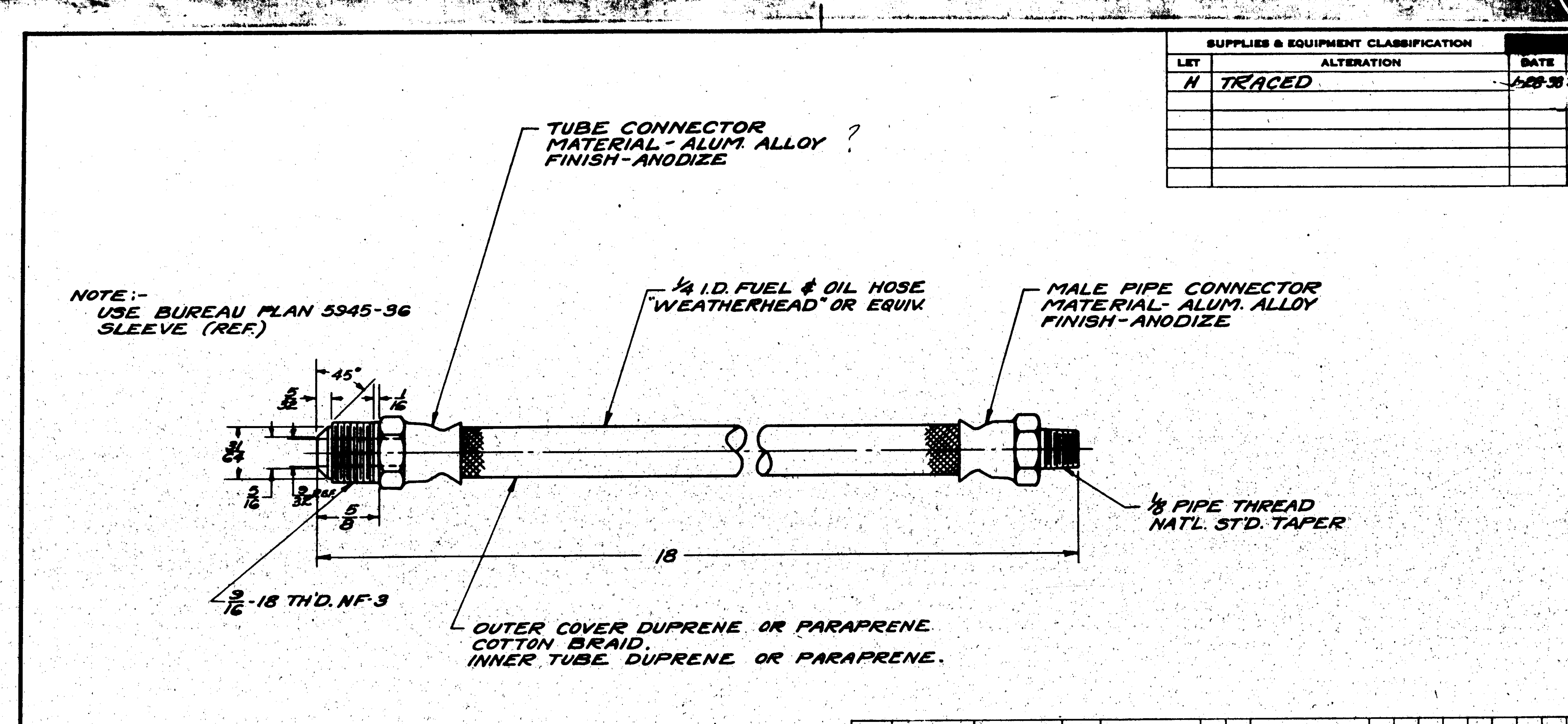
SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
B
TRACED
1-28-38
C
IN B/M, REPLACED "AL. ALLOY C'ST'G. ALCOA 195T4," "46A1 CL.4," & N.A.F. SAB WITH "NOTED", TO FACE, ADDED MATERIAL NOTE. NO WT. CHG.
8-26-43
HODIK
SECTION B-B
SECTION C-C
SECTION A-A
SCALE 24"=1'-0"
CASTING
DRILL .505 +.005 -.000 THRU
DRILL 3/16
DEPTH 1 1/8
DRILL #8 (.1990)
DEPTH 3/16
TAP 1/4-20-NC 3
DEPTH 1/2
MATERIAL MAY BE:
1.- AL. ALLOY CASTING 195T4, SPEC. AN-QQ-A-390 CL.I, T.S. 29,000 P.S.I., OR
2.- AL. ALLOY CASTING 5195T6, SPEC. AN-A-5 CL.II, T.S. 32,000 P.S.I.
FINISH CODE
SEE RELEASE SHEET
PBY-5 28G2019 1
PBY-5A 28G2019 1
PBY-5B 28G2019 1
PBY-4 28G2019-2
PBY-3 28G2019-2
PBY-2 28G2019-2
REPLACES
LCW 11-26-36
APPROVED
DATE
.24
CALC. WT.
ACT. WT.
REPLACED BY
CASTING ± 1/64
MACH. ± .010
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
12"=1'-0" NOTED
SCALE
O.H.
MODEL
NEXT ASSY.
REQ.
ST'D PARTS
PART NO.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
AC
NAV
NOTED
NOTED
NOTED
Z-P
MATERIAL
SPEC.
HEAT TREAT
FINISH
DRAFT
CHECK
EXAM.
ENG.
11-16-36
11-19-36
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN
NAME
HANDLE-WOBBLE PUMP LEFT HAND
OPP. HAND
DWG. B SIZE
28G2024
[redacted]



-2 MUST WORK FREELY IN HANDLE 28G2023 & 28G2024
16 1/4
4° REF.
.375 +.001 -.003
5/32
21/32
7/32
FURNACE COPPER BRAZE
SWAGE
1/2
DRILL 1/16 -2 HOLES C'SINK AS SHOWN
3/16
115°
SECTION A-A
24" = 1'-0"
FINISH-
C-CADMIUM PLATE
P-P-27 PRIMER
* NOTE -
ALTERNATE MATERIALS FOR -2:
CHROME-MOLY WELDED TUBING, AN-T-3, TYPE I, COND. N.
CHROME MOLY SEAMLESS TUBING, AN-WW-T-850, COND. N.
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
LET | ALTERATION | DATE | BY
E REDRAWN TO DATE 10/12/42 WHEELER
F ADDED NOTE: "ALTERNATE --- COND. N." WT. CHG. NEG 10-12-42
G -6 .156 X 11/16 X 11/16 C.M STL. SH. ANQQ-S-685 (1 REQ) WAS -3, .063 WASHER, C.M. ST. SH. 4T5H (1 REQ.), "FURNACE COPPER BRAZE" WAS WELD AS SHOWN. WT. CHG. NEG. 8-19-43 HARVEY
CR. 42852
H IN B/M HEAT TREAT "NORMALIZE" WAS "NONE." NO WT. CHG. 10-1-43 CRITZ
PBY-5B 28G2019 2
28-5 MAEME 28G2019 2
28-5 MC&AMC 28G2019 2
28-5 MN&AMN 28G2019 2
PBY-5 28G2019 2
PBY-5A 28G2019 2
PBY-4 28G2019-3
PBY-4 28G2019-2
PBY-3 28G2019-3
PBY-3 28G2019-2
PBY-2 28G2019-3
PBY-2 28G2019-2
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES 28G2025 OF 11/17/36
24 CALC. WT.
REPLACED BY
ACT. WT.
± .015 ± 1/2°
SCALE 12" = 1'-0" & NOTED
STAMP PART NUMBER WHERE SHOWN
-6 .156 X 11/16 X 11/16 C.M.STL.SH. AN-QQ-S-685 1
* -2 1/2 O.D. X .035 C.M.STL.TUBE 44T18 1
PART No. | STOCK | MATERIAL | SPEC. | REQ. -0 | REQ. -2 | REQ. -3 | REQ. -4 | REQ. -5
PARTS LIST PER ASSY.
A C
NAVY NORMALIZE
HEAT TREAT
C-P
FINISH
DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
R.
OPP. HAND
NAME ROD-WOBBLE PUMP HANDLE
DWG. SIZE B 28G2025
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R



PART NO.	O.D. of TUBE	A	D	T	L	G	CALC. WT.	H±.003
28G2030-5	1	3/4	1	1 1/16-12	2 3/8	1 1/2	.21	.062
28G2030-4	3/4	.640±.003	3/4	1-14	2 3/8	1 1/2	.14	.038
28G2030-3	1	3/4	1	1 1/16-12	2 5/8	1 1/4	.20	.062
28G2030-2	3/4	.640±.003	3/4	1-14	2 5/8	1 1/4	.14	.038



NOTE:-
OIL & GAS HOSE - WORKING PRESSURE 160 LBS.
TEST PRESSURE 300 LBS.
TEMPERATURE TOLERANCE -35° TO 300° F.
TESTED & GUARANTEED BY MANUFACTURER.

PURCHASE FROM "WEATHERHEAD CO.," CLEVELAND, OHIO, OR EQUIV.

REPLACES	[redacted] APPROVED	12-24-36 DATE
REPLACED BY	.15 CALC. WT.	ACT. WT.
LIMIT ON DIMENSIONS UNLESS ± OTHERWISE SPECIFIED	12" = 1'-0" SCALE	

[redacted]

O. H.	MODEL	NEXT ASSY.	REQ.
	[illegible]	28G3000	1 EA
	PBY-4	28G8000	
	PBY-3	28G3000	
	PBY-2	28G2000	

REQUIREMENTS PER AIRPLANE — ST'D PARTS — LH RH REQ. — PART NO. — MAT. — PARTS LIST PER ASSY.

	MATERIAL	SPEC.	HEAT TREAT	FINISH
A C				
NAVY	NOTED	NOTED	NONE	NOTED

DRAFT	CHECK	EXAM.	ENG.
G.A. HENRY	O.W.M.	MILLER	R.
11-18-36	11-18-36		

CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN

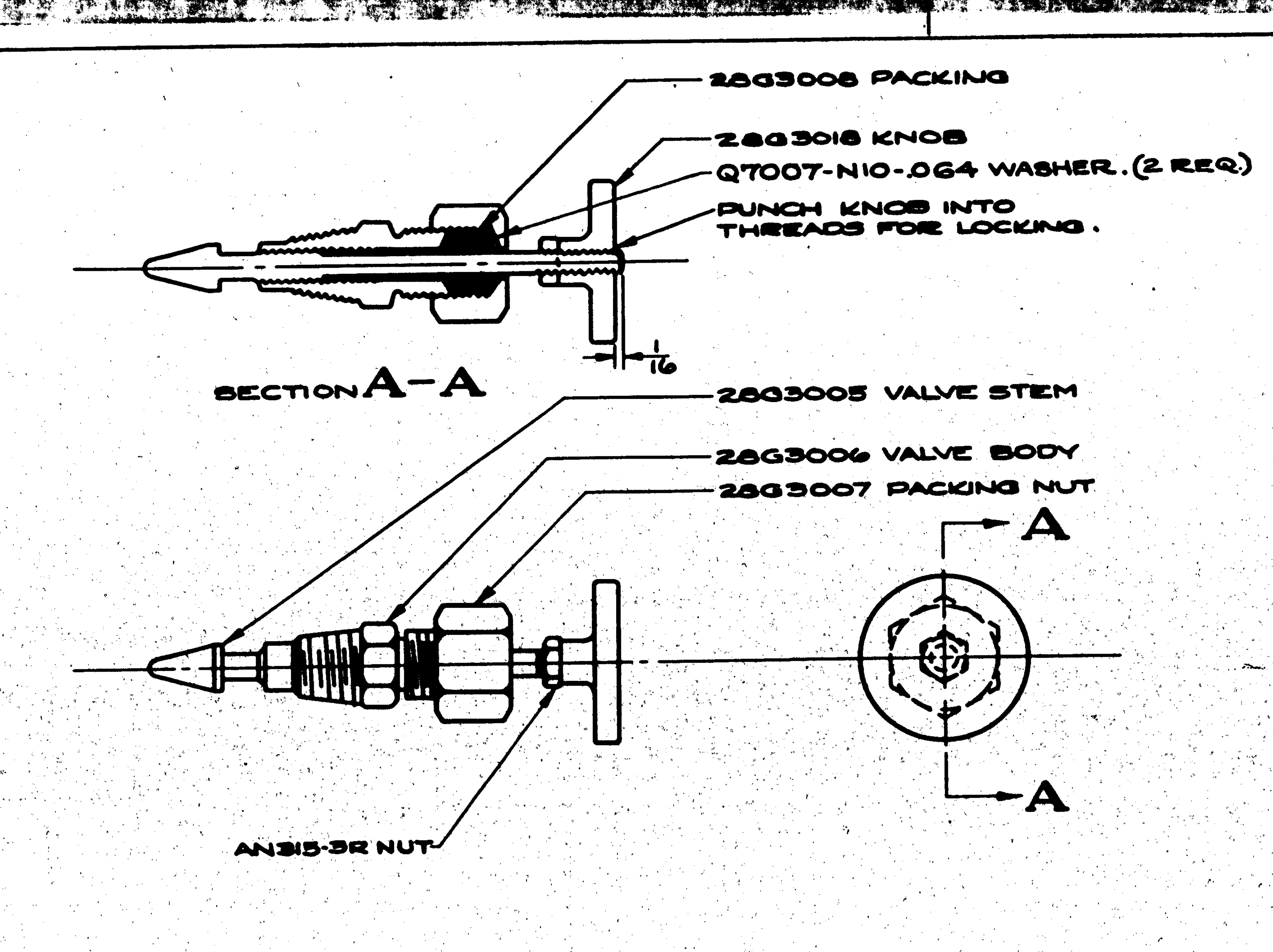
NAME LINE - FUEL SYSTEM - AUX. POWER UNIT FUEL FEED

OPP. HAND

DWG. SIZE B 28G2031

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
A.	TRACED	4-14-38	[illegible]
B.	ADDED PBY-1 & PBY-2 REQMTS.	7-7-38	[illegible]
C.	ADDED Q7007-N10-.064 WASHERS UNDER 28G3008 PACKING	4-17-39	[illegible]

C.O. 7696



PBY-4 S.O. #950-6 CONTRACT CHG. E.
PBY-3 S.O. #926-45 " " Y.
PBY-1 & PBY-2 S.O. #927-186.

(B)

O.H.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS	REQ. LH	REQ. RH	PART NO.	REQ. LH	REQ. RH
	PBY-5B	28G3002	4				Q7007-N10-.06[illegible]	2	
	PBY-5A	28G3002	4				28G3018	1	
	PBY-2	28G3002					28G3008	1	
	PBY-1	28G3002					28G3007	1	
	PBY-4	28G3002					28G3006	1	
	PBY-3	28G3002		AN315-3R	1		28G3005	1	

REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32

[redacted]

LCW 4-14-38
APPROVED DATE
.21 CALC. WT. | ACT. WT.
SCALE 12" = 1'-0"
AC

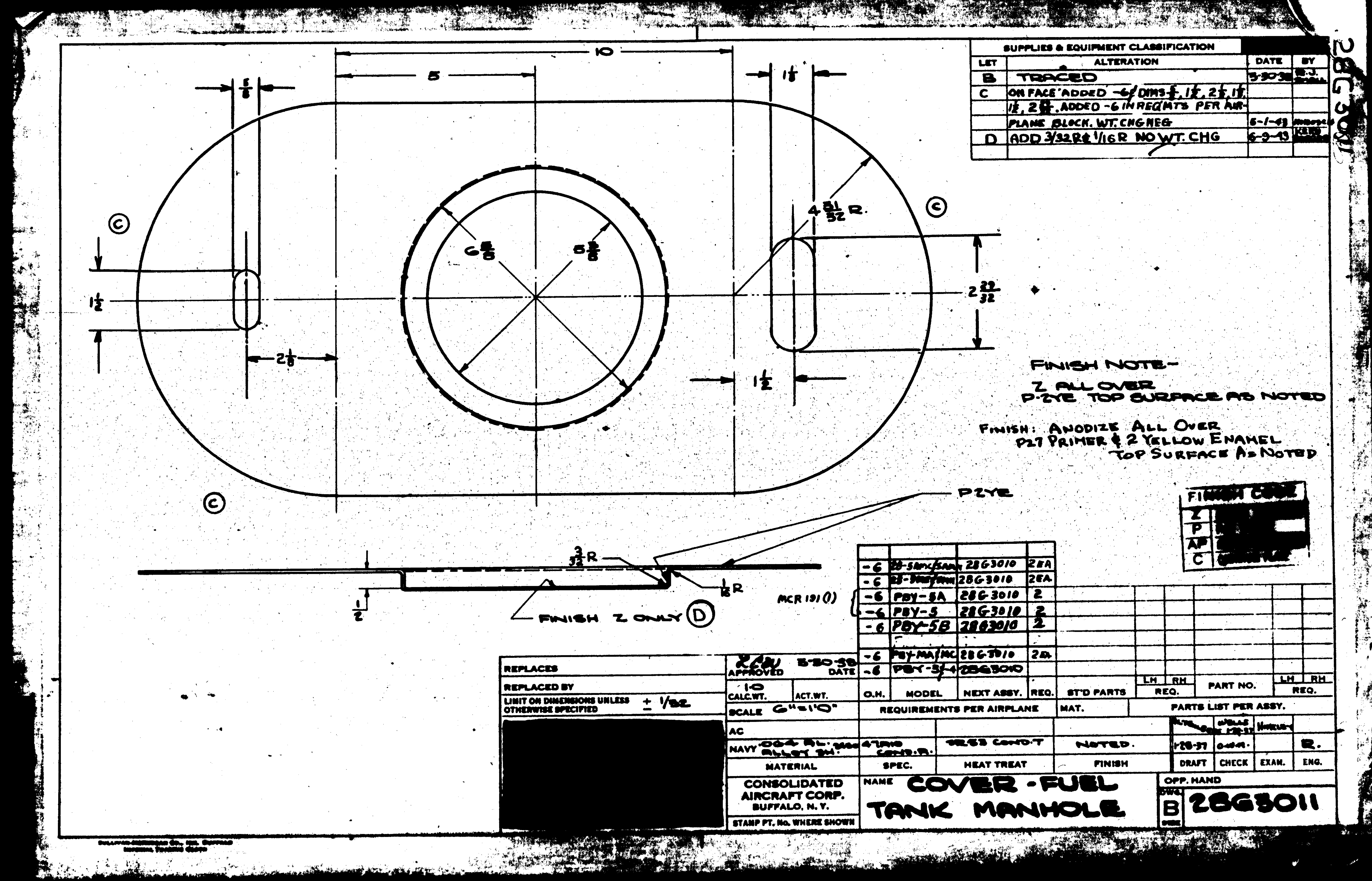
MATERIAL	SPEC.	HEAT TREAT	FINISH
NAVY NOTED	NOTED	NOTED	NOTED

DRAFT	CHECK	EXAM.	ENG.
KEATING	NELSON	O.W.M.	
3-28-38	3-29-38	MOFFETT	R.

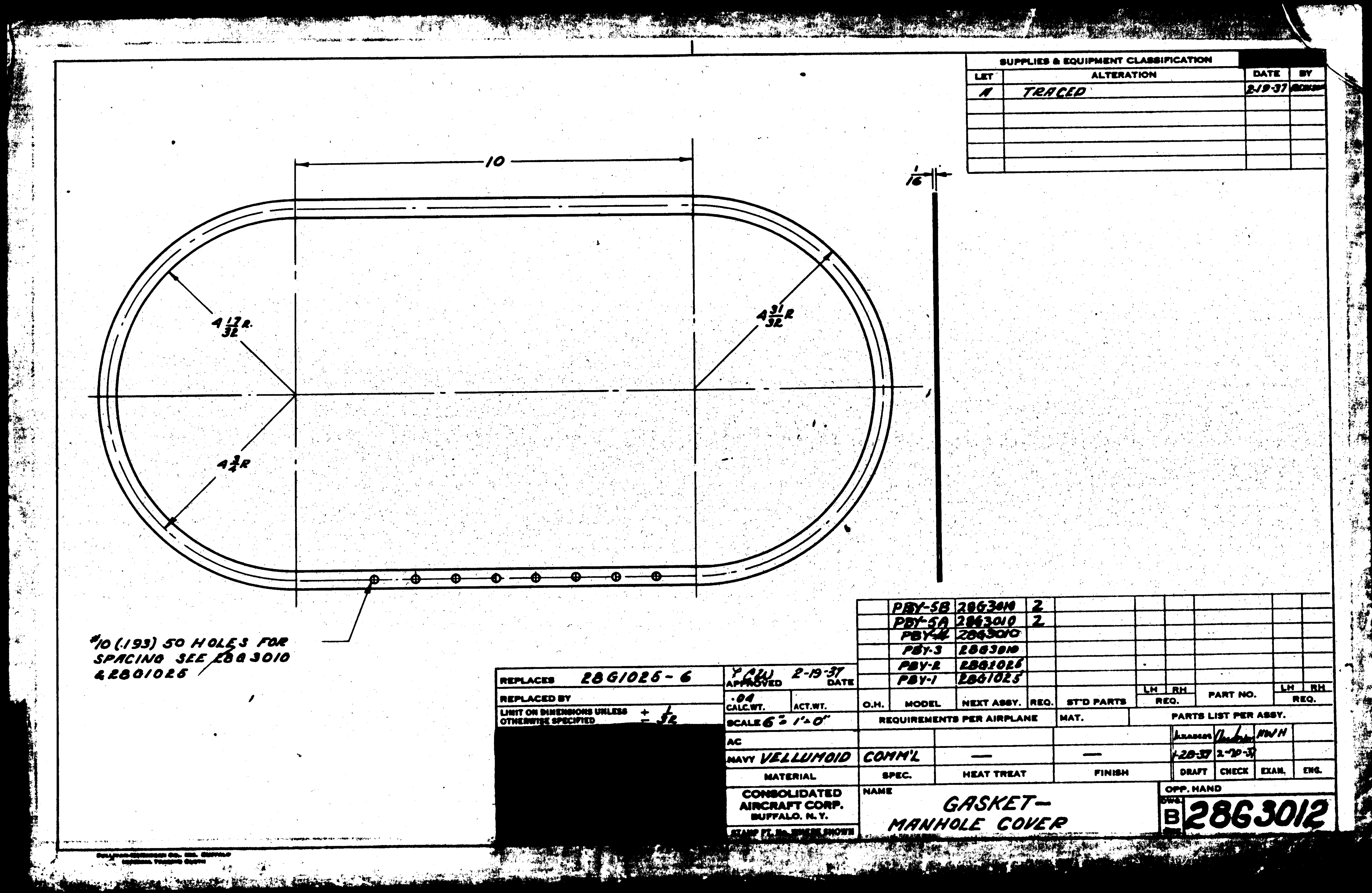
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN

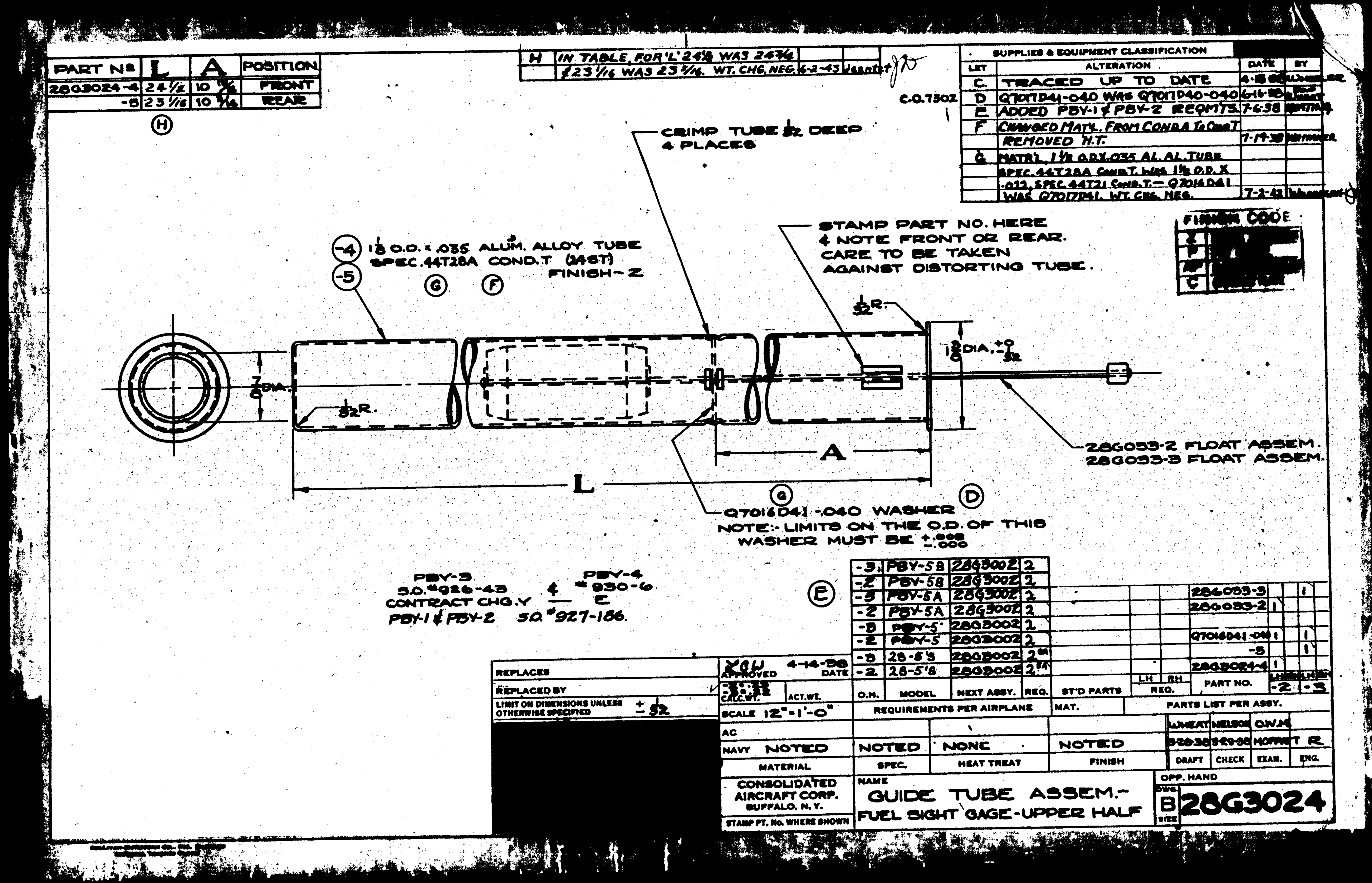
NAME
VALVE ASSM.-
FUEL SIGHT GAGE-SHUT-OFF

OPP. HAND
DWG. SIZE B 28G3004

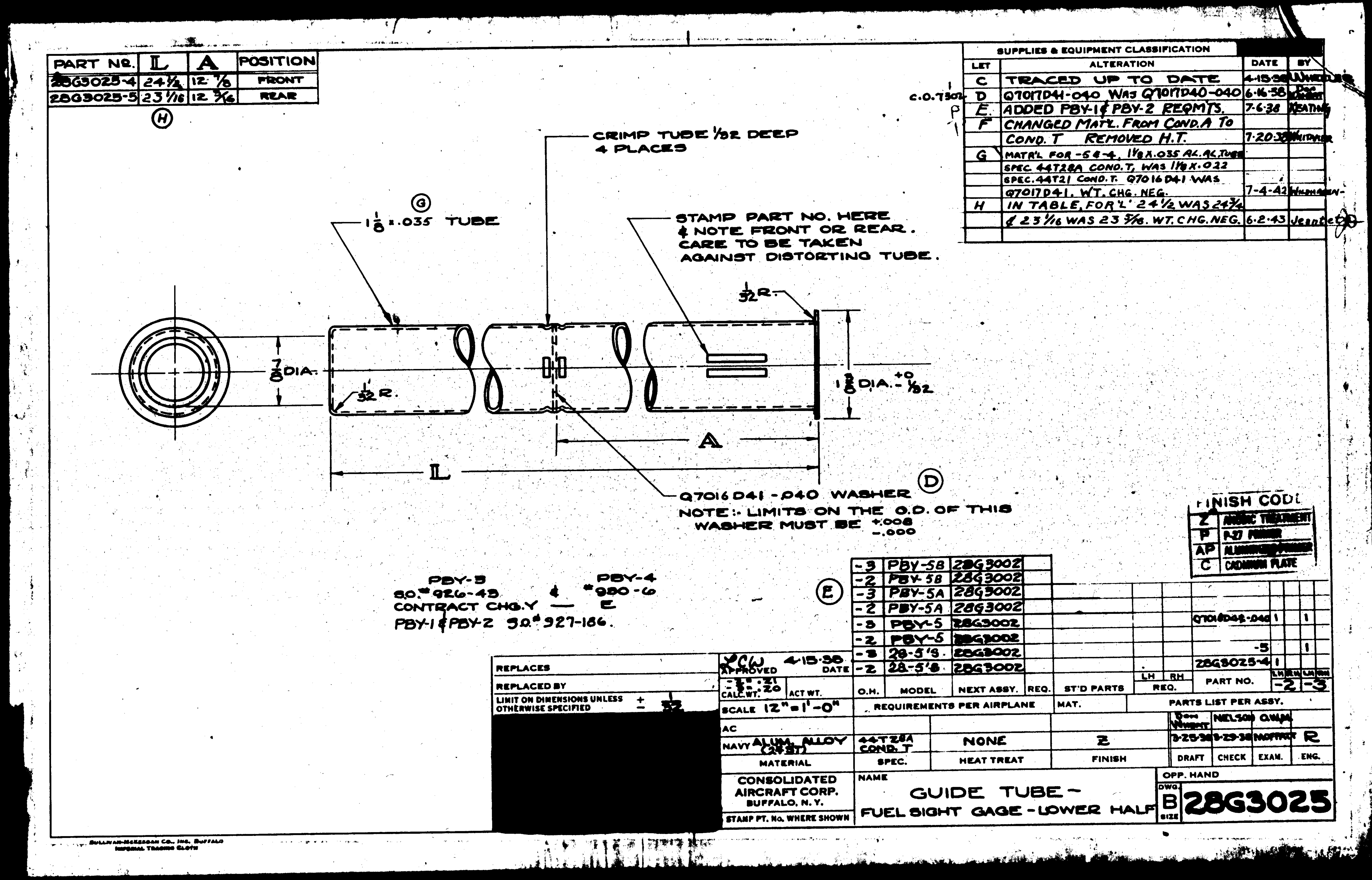


SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
B TRACED 5-30-38
C ON FACE ADDED -6 DIMS 5/8, 1 1/2, 2 1/8, 1 1/8, 1 1/2, 2 29/32, ADDED -6 IN REQ'MTS PER AIRPLANE BLOCK. WT. CHG NEG 5-1-43
D ADD 3/32 R & 1/16 R NO WT. CHG 6-9-43
10
5
5/8
1 1/8
4 31/32 R.
6 5/8
5 3/8
1 1/2
2 1/8
2 29/32
1 1/2
FINISH NOTE–
Z ALL OVER
P-ZYE TOP SURFACE AS NOTED
FINISH: ANODIZE ALL OVER
P27 PRIMER & 2 YELLOW ENAMEL
TOP SURFACE AS NOTED
PZYE
3/32 R
1/16 R
1/2
FINISH Z ONLY
FINISH CODE
Z
P
AP
C
[redacted]
MCR 191(1)
-6 28G3010 2EA
-6 28G3010 2EA
-6 PBY-5A 28G3010 2
-6 PBY-5 28G3010 2
-6 PBY-5B 28G3010 2
-6 PBY-MA/MC 28G3010 2EA
-6 PBY-3/-4 28G3010
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
[redacted]
APPROVED 5-30-38 DATE
1.0 CALC.WT.
ACT.WT.
SCALE 6"=1'0"
AC
NAVY
MATERIAL
SPEC.
HEAT TREAT
FINISH
NOTED.
O.H.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
ST'D PARTS
MAT.
LH RH REQ.
PART NO.
LH RH REQ.
PARTS LIST PER ASSY.
DRAFT
CHECK
EXAM.
ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N. Y.
STAMP PT. No. WHERE SHOWN
NAME COVER - FUEL TANK MANHOLE
OPP. HAND
DWG. B 28G3011

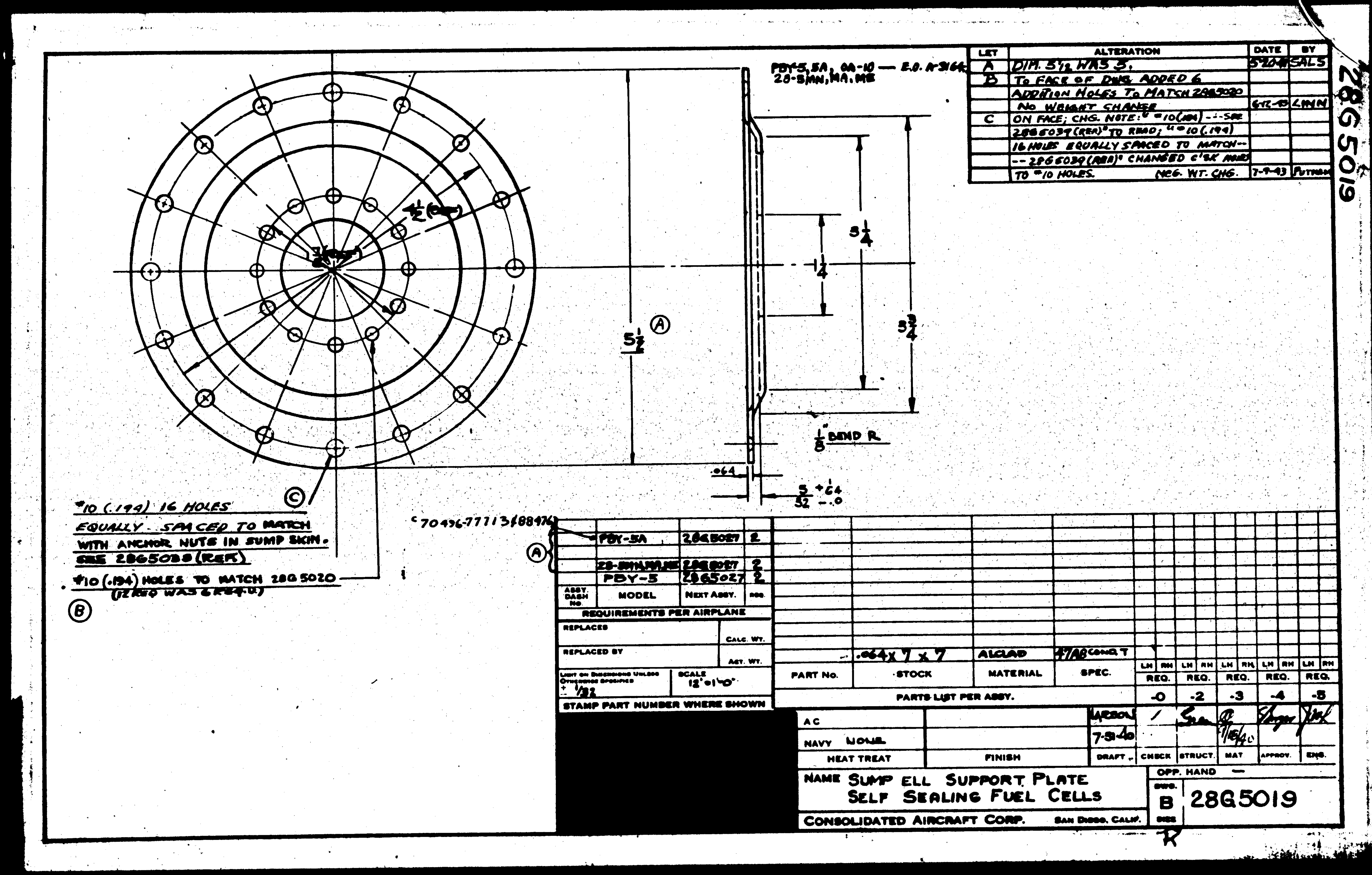

SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED | 2-19-37
10
$\frac{1}{16}$
$4\frac{17}{32}$R.
$4\frac{31}{32}$R
$4\frac{3}{4}$R
#10 (.193) 50 HOLES FOR SPACING SEE 28G3010 & 28G1025
PBY-5B 28G3010 2
PBY-5A 28G3010 2
PBY-4 28G3010
PBY-3 28G3010
PBY-2 28G1026
PBY-1 28G1025
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES 28G1026-6
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
[redacted]
APPROVED 2-19-37 DATE
.04 CALC.WT.
ACT.WT.
SCALE 6" = 1'-0"
AC
NAVY VELLUMOID
MATERIAL
COMM'L
SPEC.
HEAT TREAT
FINISH
1-28-37 2-20-37
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
NAME GASKET—MANHOLE COVER
OPP. HAND
DWG. B 28G3012



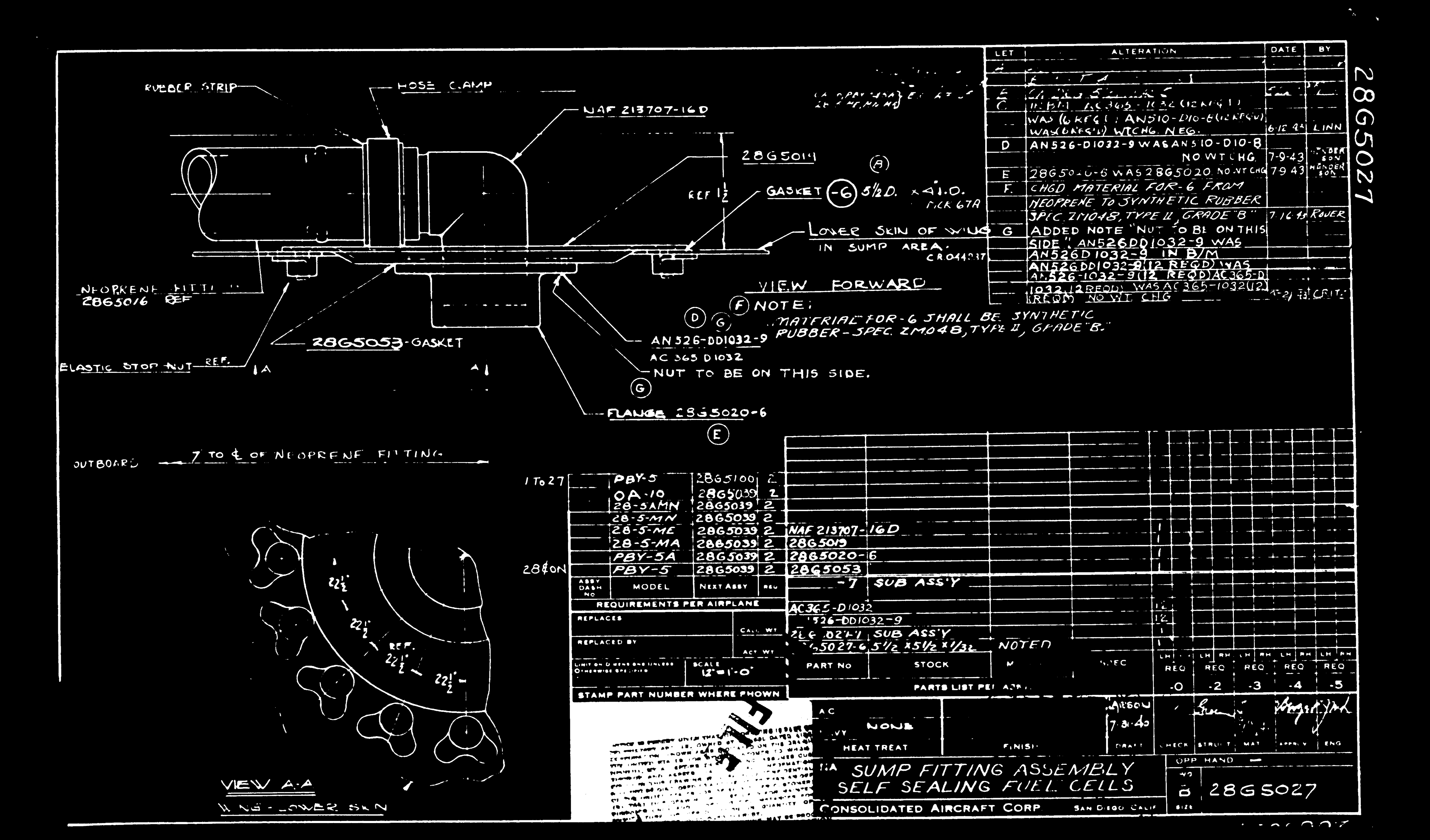
PART NO. | L | A | POSITION
28G3024-4 | 24 1/2 | 10 | FRONT
-5 | 23 1/16 | 10 | REAR
H
H IN TABLE, FOR 'L' 24 1/2 WAS 24 3/4
& 23 1/16 WAS 23 5/16. WT. CHG. NEG. 6-2-43
C.O.7302
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C | TRACED UP TO DATE
D | Q7017D41-040 WAS Q7017D40-040
E | ADDED PBY-1 & PBY-2 REQMTS. | 7-6-38
F | CHANGED MAT'L. FROM COND.A TO COND.T REMOVED H.T. | 7-19-38
G | MAT'L. 1 1/8 O.D.X.035 AL.AL.TUBE SPEC.44T28A COND.T. WAS 1 1/8 O.D. X .022, SPEC.44T21 COND.T.— Q7016D41 WAS Q7017D41. WT. CHG. NEG. | 7-2-42
FINISH CODE
CRIMP TUBE 1/32 DEEP 4 PLACES
STAMP PART NO. HERE & NOTE FRONT OR REAR. CARE TO BE TAKEN AGAINST DISTORTING TUBE.
-4 -5 1 1/8 O.D. x .035 ALUM. ALLOY TUBE SPEC.44T28A COND.T (24ST) FINISH~Z
G F
7/8 DIA.
1/32 R.
1 1/8 DIA. +0 -1/32
A
L
28G033-2 FLOAT ASSEM.
28G033-3 FLOAT ASSEM.
G D
Q7016D41-.040 WASHER
NOTE:- LIMITS ON THE O.D. OF THIS WASHER MUST BE +.008 -.000
PBY-3 S.O.#926-43 & PBY-4 #930-6
CONTRACT CHG.Y E
PBY-1 & PBY-2 S.O.#927-186.
E
-3 | PBY-5B | 28G3002 | 2
-2 | PBY-5B | 28G3002 | 2
-3 | PBY-5A | 28G3002 | 2
-2 | PBY-5A | 28G3002 | 2
-3 | PBY-5 | 28G3002 | 2
-2 | PBY-5 | 28G3002 | 2
-3 | 28-5'S | 28G3002 | 2
-2 | 28-5'S | 28G3002 | 2
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS
28G033-3
28G033-2
Q7016D41-040
-5
28G3024-4
LH RH REQ. PART NO. -2 -3
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
APPROVED 4-14-38 DATE
CALC.WT. ACT.WT.
SCALE 12"=1'-0"
REQUIREMENTS PER AIRPLANE
MAT.
AC
NAVY NOTED | NOTED | NONE | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
WHEAT NELSON O.W.M.
DRAFT | CHECK | EXAM. | ENG.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME GUIDE TUBE ASSEM.- FUEL SIGHT GAGE-UPPER HALF
DWG. SIZE B 28G3024



PART NO. | L | A | POSITION
28G3025-4 | 24 1/2 | 12 7/8 | FRONT
28G3025-5 | 23 1/16 | 12 5/16 | REAR
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C | TRACED UP TO DATE | 4-15-38
D | Q7017D41-040 WAS Q7017D40-040 | 6-16-38
E | ADDED PBY-1 & PBY-2 REQMTS. | 7-6-38
F | CHANGED MAT'L. FROM COND. A TO COND. T REMOVED H.T. | 7-20-38
G | MAT'L FOR -5 & -4, 1 1/8 X .035 AL. AL. TUBE SPEC. 44T28A COND. T, WAS 1 1/8 X .022 SPEC. 44T21 COND. T. Q7016D41 WAS Q7017D41. WT. CHG. NEG. | 7-4-42
H | IN TABLE, FOR 'L' 24 1/2 WAS 24 3/4 & 23 1/16 WAS 23 5/16. WT. CHG. NEG. | 6-2-43
C.O. 7502
CRIMP TUBE 1/32 DEEP 4 PLACES
1 1/8 x .035 TUBE
STAMP PART NO. HERE & NOTE FRONT OR REAR. CARE TO BE TAKEN AGAINST DISTORTING TUBE.
1/32 R.
7/8 DIA.
1 1/8 DIA. +0 -1/32
A
L
Q7016D41-040 WASHER
NOTE:- LIMITS ON THE O.D. OF THIS WASHER MUST BE +.008 -.000
FINISH CODE
Z | ANODIC TREATMENT
P | P-27 PRIMER
AP | ALUMINUM PRIMER
C | CADMIUM PLATE
PBY-5 S.O. #926-43 & PBY-4 #980-6
CONTRACT CHG. Y — E
PBY-1 & PBY-2 S.O. #927-186.
-3 | PBY-5B | 28G3002
-2 | PBY-5B | 28G3002
-3 | PBY-5A | 28G3002
-2 | PBY-5A | 28G3002
-3 | PBY-5 | 28G3002
-2 | PBY-5 | 28G3002
-3 | 28-5'S. | 28G3002
-2 | 28-5'S. | 28G3002
Q7016D41-040 | 1 | 1
-5 | 1
28G3025-4 | 1
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH | RH | REQ. | PART NO. | -2 | -3
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
[redacted]
APPROVED 4-15-38 DATE
CALC. WT. | ACT WT.
SCALE 12" = 1'-0"
AC
NAVY ALUM. ALLOY (24ST) | 44T28A COND. T | NONE | Z
MATERIAL | SPEC. | HEAT TREAT | FINISH
NELSON
3-25-38 | 3-29-38
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
GUIDE TUBE - FUEL SIGHT GAGE - LOWER HALF
OPP. HAND
DWG. SIZE B
28G3025

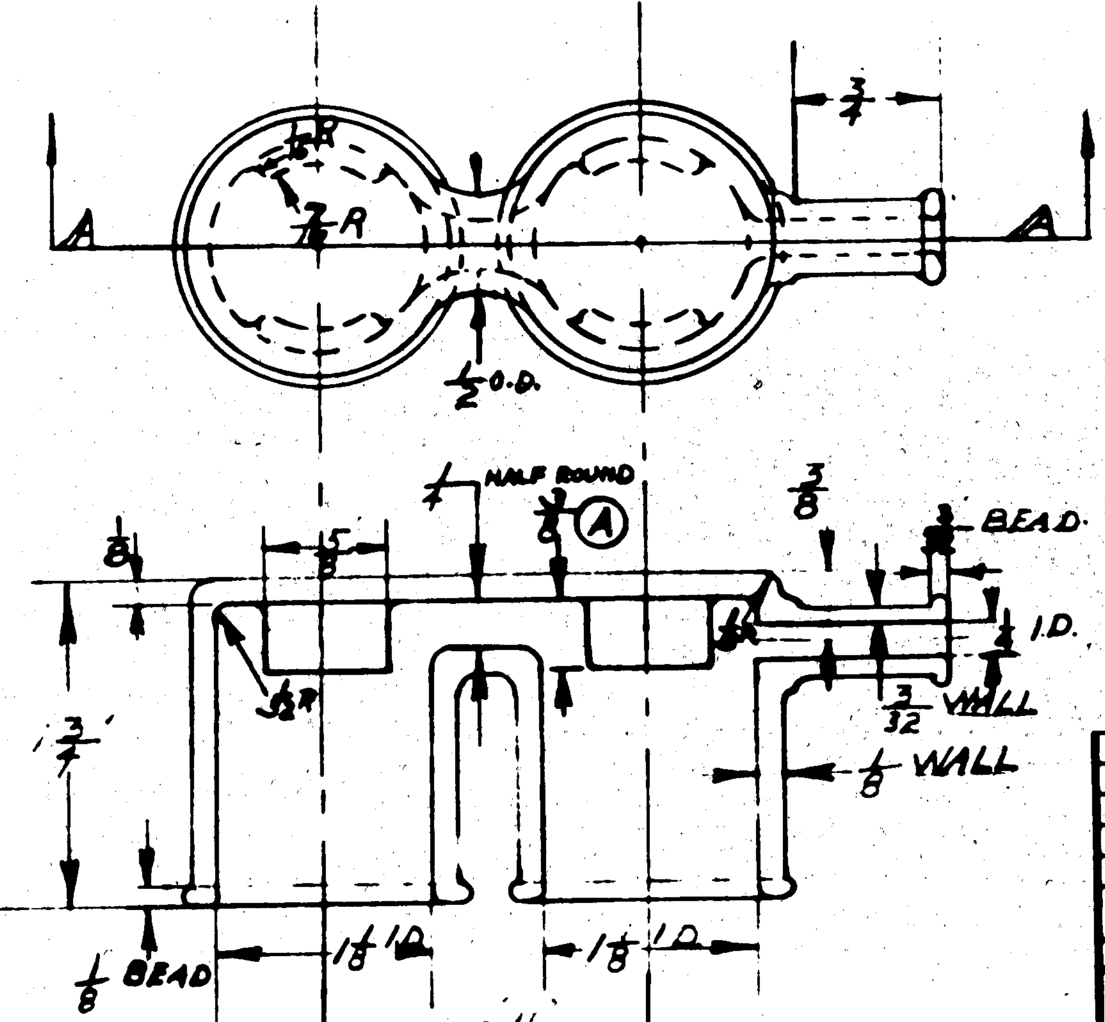


LET | ALTERATION | DATE | BY
A | DIM. 5½ WAS 5. | 5-20-41 | SALS
B | To FACE OF DWG. ADDED 6 ADDITION HOLES To MATCH 28G5020 No WEIGHT CHANGE | 6-12-43 | LINN
C | ON FACE; CHG. NOTE: "#10(.194) -- SEE 28G5039(REF)" TO READ; "#10(.194) 16 HOLES EQUALLY SPACED TO MATCH -- 28G5039(REF)" CHANGED C'SK HOLES TO #10 HOLES. NEG. WT. CHG. | 7-9-43 | PUTNAM
28G5019
PBY-5, 5A, OA-10 — E.O. #3164
28-5MN, MA, ME
1½
5¼
1¼
5¾
5½
A
⅛" BEND R.
.064
5/32 +1/64 −.0
#10 (.194) 16 HOLES EQUALLY SPACED TO MATCH WITH ANCHOR NUTS IN SUMP SKIN. SEE 28G5039 (REF)
C
#10 (.194) HOLES TO MATCH 28G5020 (12 REQ WAS 6 REQ'D.)
B
C70496-77713(88476)
A
PBY-5A | 28G5027 | 2
28-5MN, MA, ME | 28G5027 | 2
PBY-5 | 28G5027 | 2
ASSY. DASH No. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
— | .064 X 7 X 7 | ALCLAD | 47AB COND. T
PART No. | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY NONE
HEAT TREAT
FINISH
LARSON 7-31-40
DRAFT. | CHECK | STRUCT. | MAT | APPROV. | ENG.
NAME SUMP ELL SUPPORT PLATE SELF SEALING FUEL CELLS
OPP. HAND —
DWG. SIZE B
28G5019
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.


28G5027
RUBBER STRIP
HOSE CLAMP
NAF 213707-16D
28G5019
REF 1 1/2
GASKET -6 5 1/2 D. x 4 1/2 I.O.
LOWER SKIN OF WING IN SUMP AREA.
NEOPRENE FITTING 28G5016 REF
28G5053-GASKET
ELASTIC STOP NUT REF.
AN526-DD1032-9
AC 365 D1032
NUT TO BE ON THIS SIDE.
FLANGE 28G5020-6
VIEW FORWARD
NOTE:
MATERIAL FOR -6 SHALL BE SYNTHETIC RUBBER-SPEC. ZM048, TYPE II, GRADE "B".
OUTBOARD
7 TO ℄ OF NEOPRENE FITTING
VIEW A-A
LET
ALTERATION
DATE
BY
D AN526-D1032-9 WAS AN510-D10-8 NO WT CHG. 7-9-43
E 28G5020-6 WAS 28G5020. NO WT CHG 7-9-43
F CHGD MATERIAL FOR-6 FROM NEOPRENE TO SYNTHETIC RUBBER SPEC. ZM048, TYPE II, GRADE "B" ROVER
G ADDED NOTE "NUT TO BE ON THIS SIDE". AN526DD1032-9 WAS AN526D1032-9 IN B/M
1 To 27
PBY-5 28G5100 2
OA-10 28G5039 2
28-5AMN 28G5039 2
28-5-MN 28G5039 2
28-5-ME 28G5039 2
28-5-MA 28G5039 2
PBY-5A 28G5039 2
28 ON PBY-5 28G5039 2
ASSY DASH NO
MODEL
NEXT ASSY
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
REPLACED BY
SCALE 12"=1'-0"
STAMP PART NUMBER WHERE SHOWN
NAF 213707-16D
28G5019
28G5020-6
28G5053
-7 SUB ASS'Y
AC365-D1032
526-DD1032-9
SUB ASS'Y
5 1/2 X 5 1/2 X 1/32 NOTED
PART No
STOCK
PARTS LIST PER AIRPLANE
REQ -0 -2 -3 -4 -5
NONE
HEAT TREAT
FINISH
7-31-40
SUMP FITTING ASSEMBLY SELF SEALING FUEL CELLS
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF
OPP HAND
B 28G5027

LET	ALTERATION	DATE	BY
A	3/8 RIM. WAS 1/8 ON INSIDE LIP	11-11-41	[illegible]
	ADDED NEW REQTS. PER AIRPLANE		
B	CHG'D MAT. FROM NEOPRENE		
	TO SYNTHETIC RUBBER - SPEC.		
	ZM-048, TYPE II, GRADE B.		
	NO WT. CNG.	7-12-4[illegible]	ROVER

MCR 67A



(B) MATERIAL:
SYNTHETIC RUBBER
SPEC. ZM-048 TYPE II, GRADE "B".

PURCHASE TO DWG.

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	28-5ME, MA	28G5040	4
	28-5MN, AMN		4
	PBY-5B		4
	PBY-5A		4
	PBY-5	28G5040	4

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12"=1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 REQ. LH	-0 REQ. RH	-2 REQ. LH	-2 REQ. RH	-3 REQ. LH	-3 REQ. RH	-4 REQ. LH	-4 REQ. RH	-5 REQ. LH	-5 REQ. RH
		NOTED											

PARTS LIST PER ASSY.

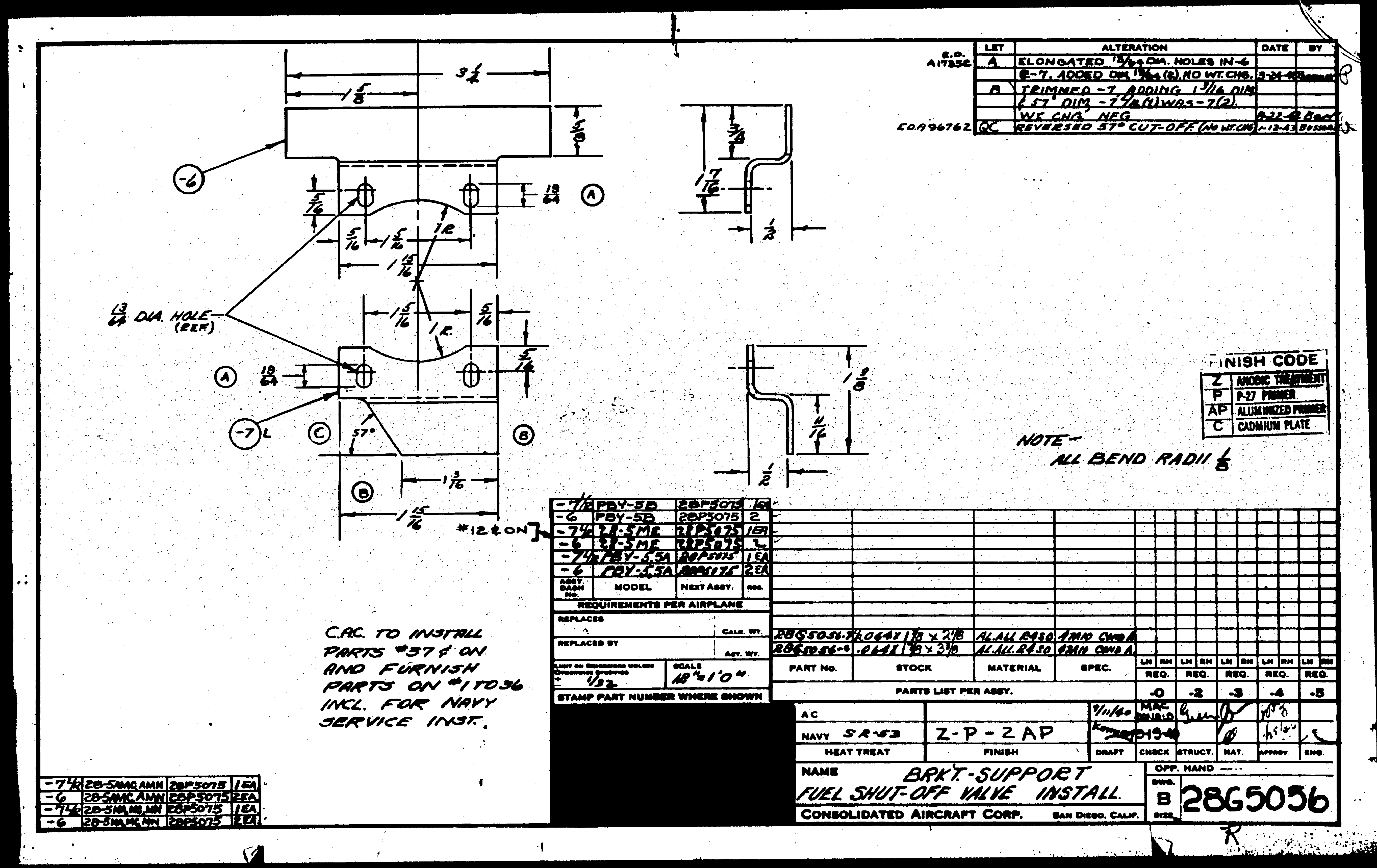
A C NONE		DRAFT Ray. [illegible] 8-7-40	CHECK ✓	STRUCT. [illegible]	MAT. [illegible] 8/8/40	APPROV. [illegible]	ENG. [illegible]
NAVY							
HEAT TREAT	FINISH						

NAME VENT—SIGHT GAGE—SELF SEALING CELLS—WING

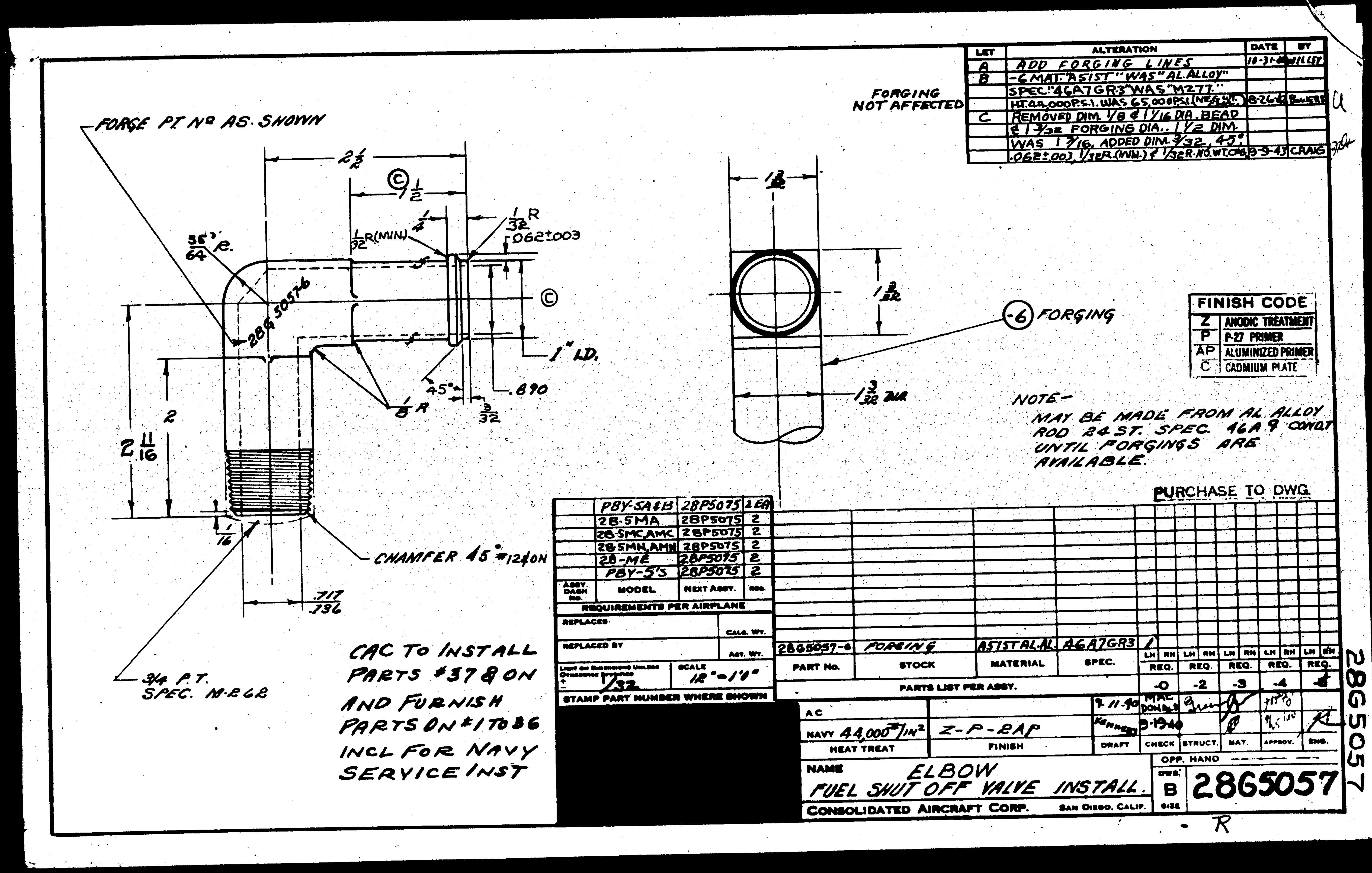
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

OPP. HAND

SIZE B — DWG. 28G5034



E.O. A17352
LET | ALTERATION | DATE | BY
A ELONGATED 13/64 DIA. HOLES IN -6 & -7, ADDED DIM 19/64 (2), NO WT. CHG.
B TRIMMED -7, ADDING 1 3/16 DIM & 57° DIM -7 1/2 (1) WAS -7 (2). WT. CHG. NEG.
E.O. A96762 QC REVERSED 57° CUT-OFF (NO WT. CHG.) 1-12-43
3 1/4
1 5/8
5/8
-6
5/16
19/64
A
5/16
1 5/16
1R
1 15/16
13/64 DIA. HOLE (REF.)
1 5/16
5/16
1R
5/16
19/64
A
-7 L
C
57°
B
B
1 3/16
1 15/16
3/8
1 7/16
1/2
1 3/8
11/16
1/2
#12 & ON
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
NOTE—
ALL BEND RADII 1/8
-7 1/2 PBY-5B 28P5075 1EA
-6 PBY-5B 28P5075 2
-7 1/2 28-5ME 28P5075 1EA
-6 28-5ME 28P5075 2
-7 1/2 PBY-5.5A 28P5075 1 EA
-6 PBY-5.5A 28P5075 2EA
ASSY. DASH No. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
SCALE 1/8"=1'0"
1/32
STAMP PART NUMBER WHERE SHOWN
28G5056-7 1/2 .064X 1 7/8 X 2 1/8 AL.ALL. 24 SO
28G5056-6 .064X 1 7/8 X 3 3/8 AL.ALL. 24 SO
PART No. | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 -2 -3 -4 -5
PARTS LIST PER ASSY.
C.A.C. TO INSTALL PARTS #37 & ON AND FURNISH PARTS ON #1 TO 36 INCL. FOR NAVY SERVICE INST.
AC
NAVY SR-63
Z-P-2AP
HEAT TREAT | FINISH | DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
9/11/40
NAME BRKT.-SUPPORT FUEL SHUT-OFF VALVE INSTALL.
OPP. HAND ----
DWG. SIZE B
28G5056
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
-7 1/2 28-5AMC, AMN 28P5075 1EA
-6 28-5AMC, AMN 28P5075 2EA
-7 1/2 28-5MA, MC, MN 28P5075 1EA
-6 28-5MA, MC, MN 28P5075 2EA



LET | ALTERATION | DATE | BY
A | ADD FORGING LINES | 10-31-40 | WILLEY
B | -6 MAT. "A51ST" WAS "AL. ALLOY" SPEC. "46A7GR3" WAS "M277." HT. 44,000 P.S.I. WAS 65,000 P.S.I. | 8-26-42
C | REMOVED DIM. 1/8 & 1 1/16 DIA. BEAD & 1 3/32 FORGING DIA.. 1 1/2 DIM. WAS 1 7/16, ADDED DIM. 3/32, 45°, .062±.003, 1/32 R (MIN.) & 1/32 R. NO. WT. CHG. | 3-9-43 | CRAIG
FORGING NOT AFFECTED
FORGE PT. Nº AS SHOWN
2 1/2
1 1/2
1/4
1/32 R
.062±.003
1/32 R (MIN.)
35/64 R.
28G5057-6
1" I.D.
.890
45°
1/8 R
3/32
2
2 11/16
1/16
CHAMFER 45° #12 ON
.717
.736
3/4 P.T. SPEC. M-262
1 3/32 DIA.
-6 FORGING
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
NOTE– MAY BE MADE FROM AL ALLOY ROD 24 ST. SPEC. 46A9 COND T UNTIL FORGINGS ARE AVAILABLE.
PURCHASE TO DWG.
PBY-5A&B | 28P5075 | 2 EA
28-5MA | 28P5075 | 2
28-5MC, AMC | 28P5075 | 2
28-5MN, AMN | 28P5075 | 2
28-ME | 28P5075 | 2
PBY-5'S | 28P5075 | 2
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
SCALE 12" = 1'0"
1/32
STAMP PART NUMBER WHERE SHOWN
28G5057-6 | FORGING | A51ST AL. AL. | 46A7GR3 | 1
PART No. | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 -2 -3 -4 -5
PARTS LIST PER ASSY.
CAC TO INSTALL PARTS #37 & ON AND FURNISH PARTS ON #1 TO 36 INCL FOR NAVY SERVICE INST
A C
NAVY 44,000#/IN² | Z-P-2AP
HEAT TREAT | FINISH
9-11-40 | 9-19-40
DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
OPP. HAND
NAME ELBOW FUEL SHUT OFF VALVE INSTALL.
DWG. SIZE B
28G5057
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R

28G5060

LET	ALTERATION	DATE	BY
E	TRACED NO WT. CHG.	10-12-43	

DRILL #21(.159)
8 HOLES EQUALLY SPACED

A A

TAP 3/8 PIPE TH'D.
SPEC -AN-GGG-P-363

1 3/4 DIA.
2 1/2 DIA.
1 3/32 DIA
11/16
5/32

SECTION A-A

EDGE & FILLET RADII 1/16

1 TO 27
28 E.O.N

MATERIAL NOTE: S.O. 927-1378
-6 MAY BE MADE FROM-
1 AL ALLOY 195T4, SPEC AN-QQ-A-390 CL I
T.S. 29,000 P.S.I., OR
2 AL ALLOY S195T6 SPEC AN-A-5 CL.II
T.S. 32,000 P.S.I.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE

ASSY DASH NO.	MODEL	NEXT ASSY	REQ.
	P2Y-5A	28W2014	2
	P2Y-5	28W5043	1
	P2Y-5	28W2014	2

REQUIREMENTS PER AIRPLANE

REPLACES 28G5060 — 10-7-40 CALC. WT.
REPLACED BY ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±1/64
SCALE 12"=1-0"
STAMP PART NUMBER WHERE SHOWN

	PART No	STOCK	MATERIAL	SPEC.
	28G5060	MACHINE CASTING	MAKE FROM -6	
-6		ROUGH CASTING	NOTED	NOTED

PARTS LIST PER ASSY.

LH REQ. -0	RH REQ. -0	LH REQ. -2	RH REQ. -2	LH REQ. -3	RH REQ. -3	LH REQ. -4	RH REQ. -4	LH REQ. -5	RH REQ. -5

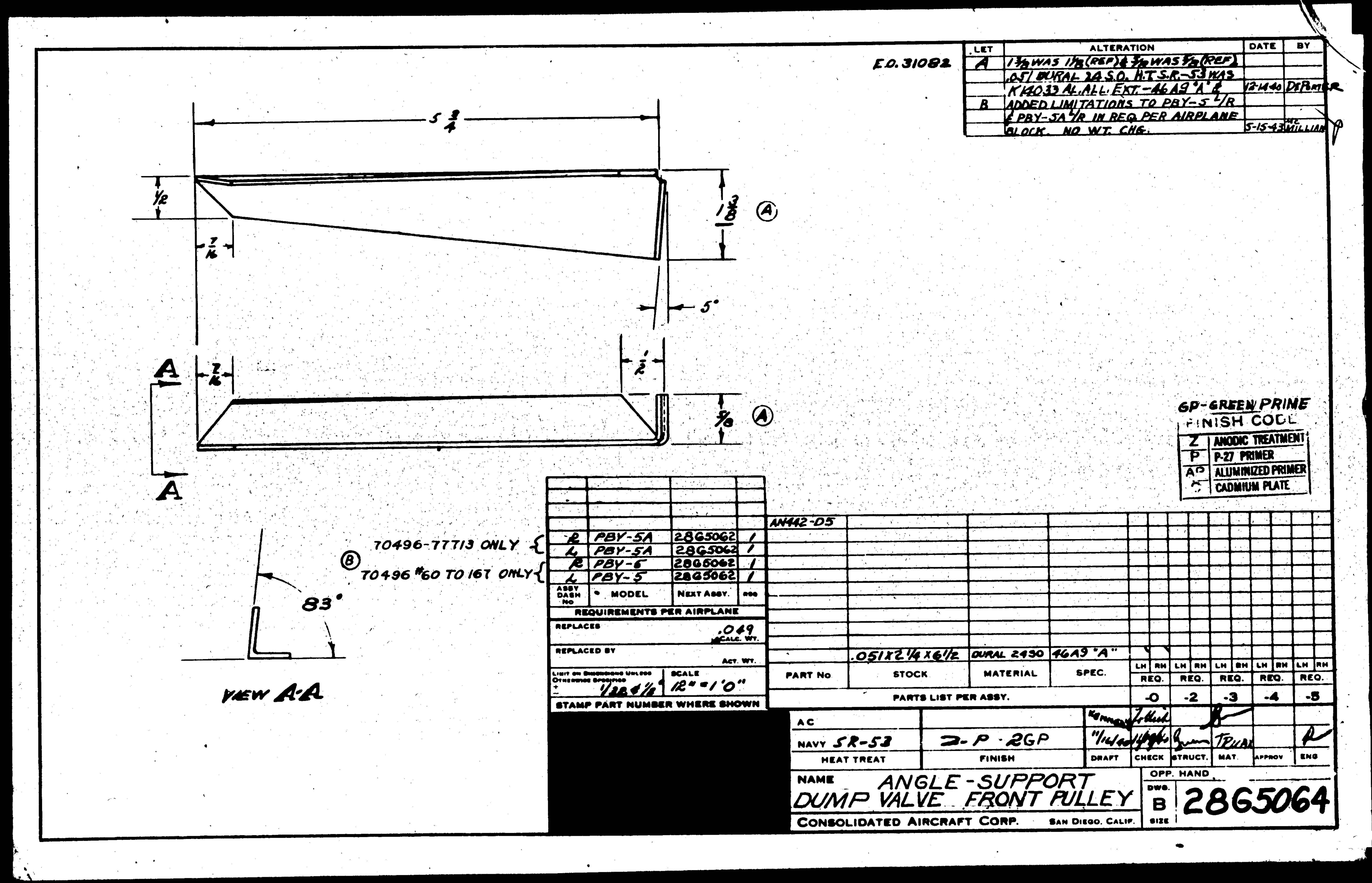
AC		C.S. BRAND	S.B.	GREEN	BMN	KLEIN	
NAVY NOTED	Z-P	10-7-40	S			9-7-41	R
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

NAME FLANGE-PURGING SYSTEM-FUEL TANK-WING

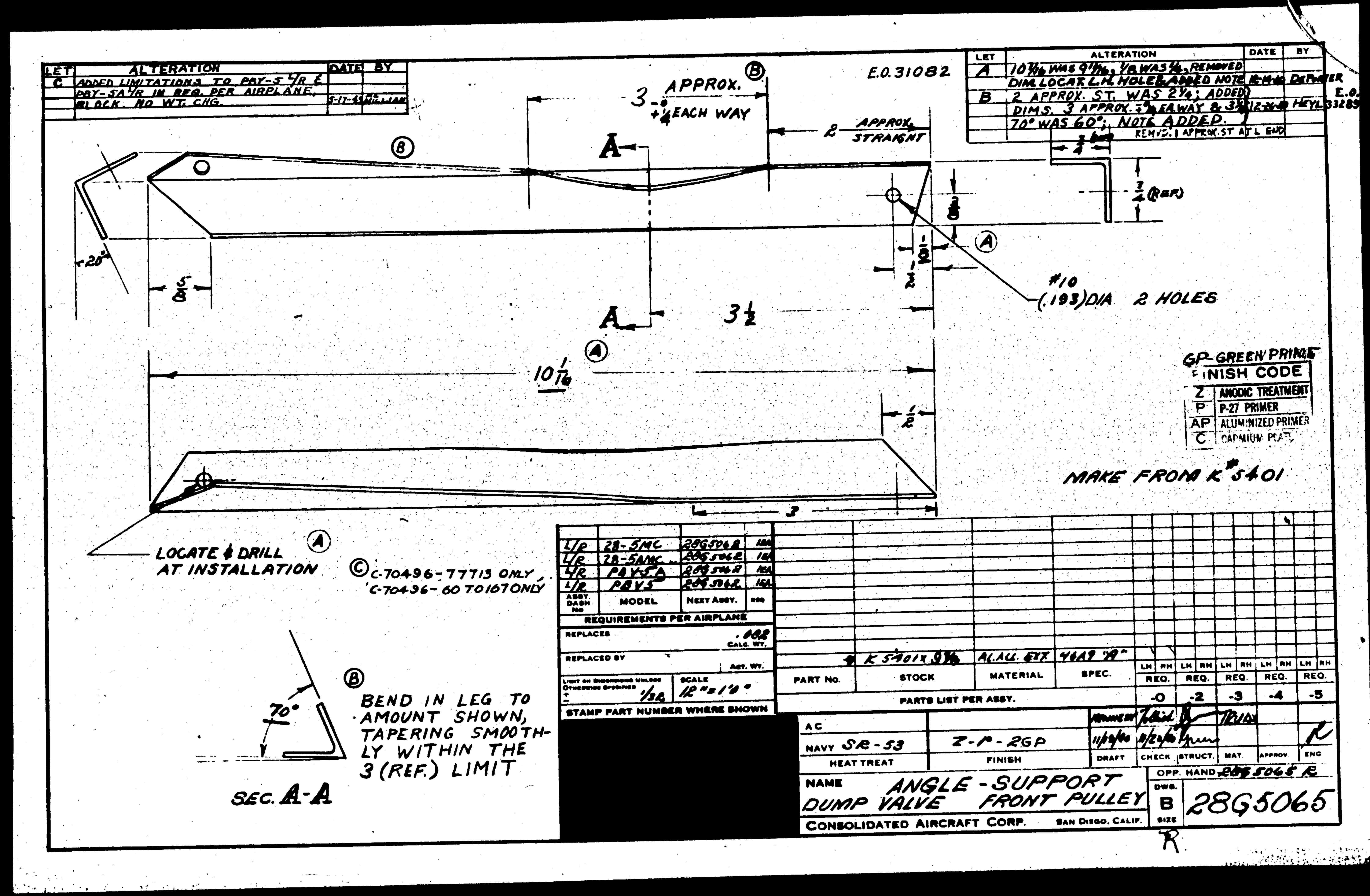
OPP. HAND —

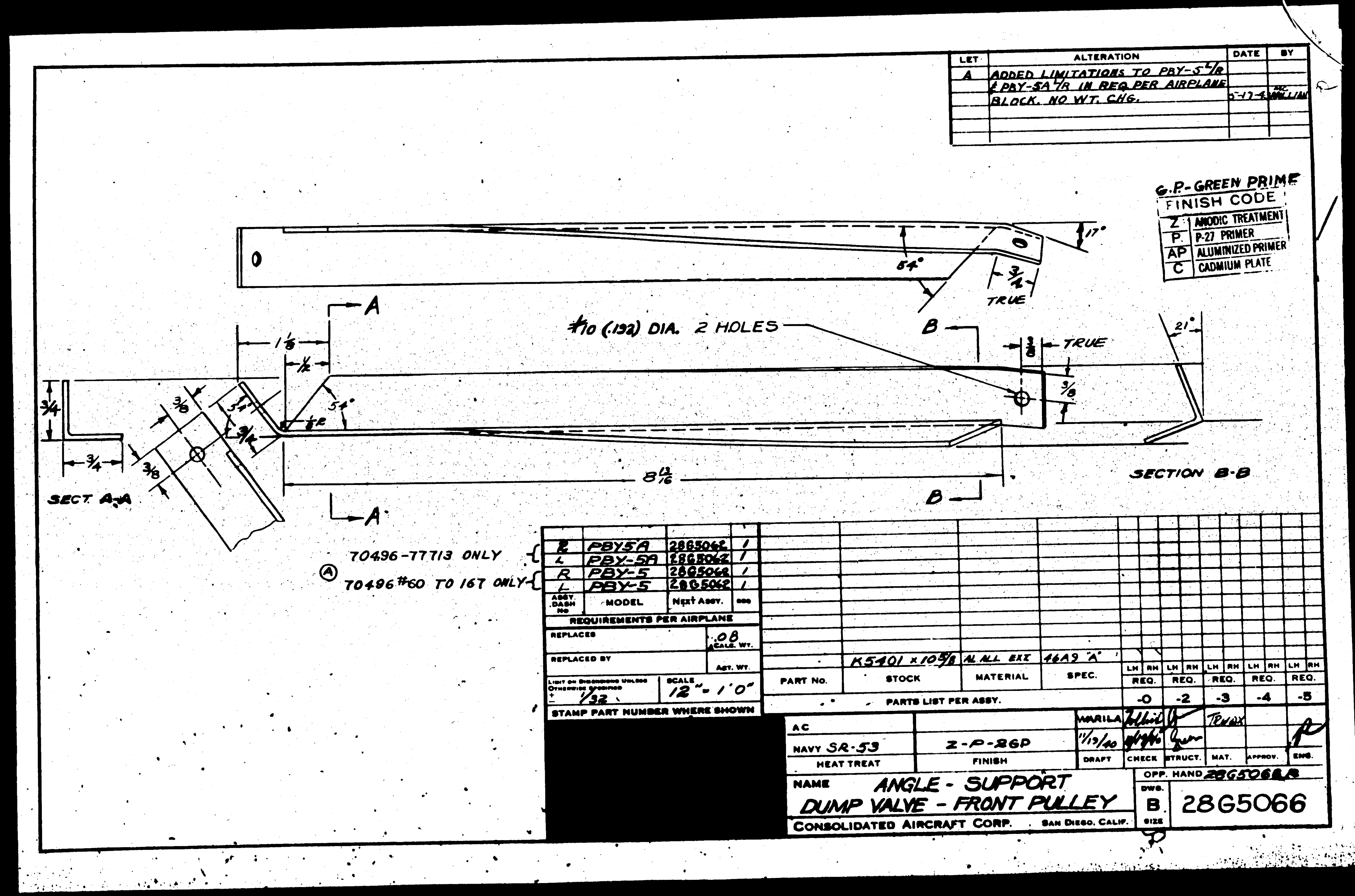
DWG. SIZE B 28G5060

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

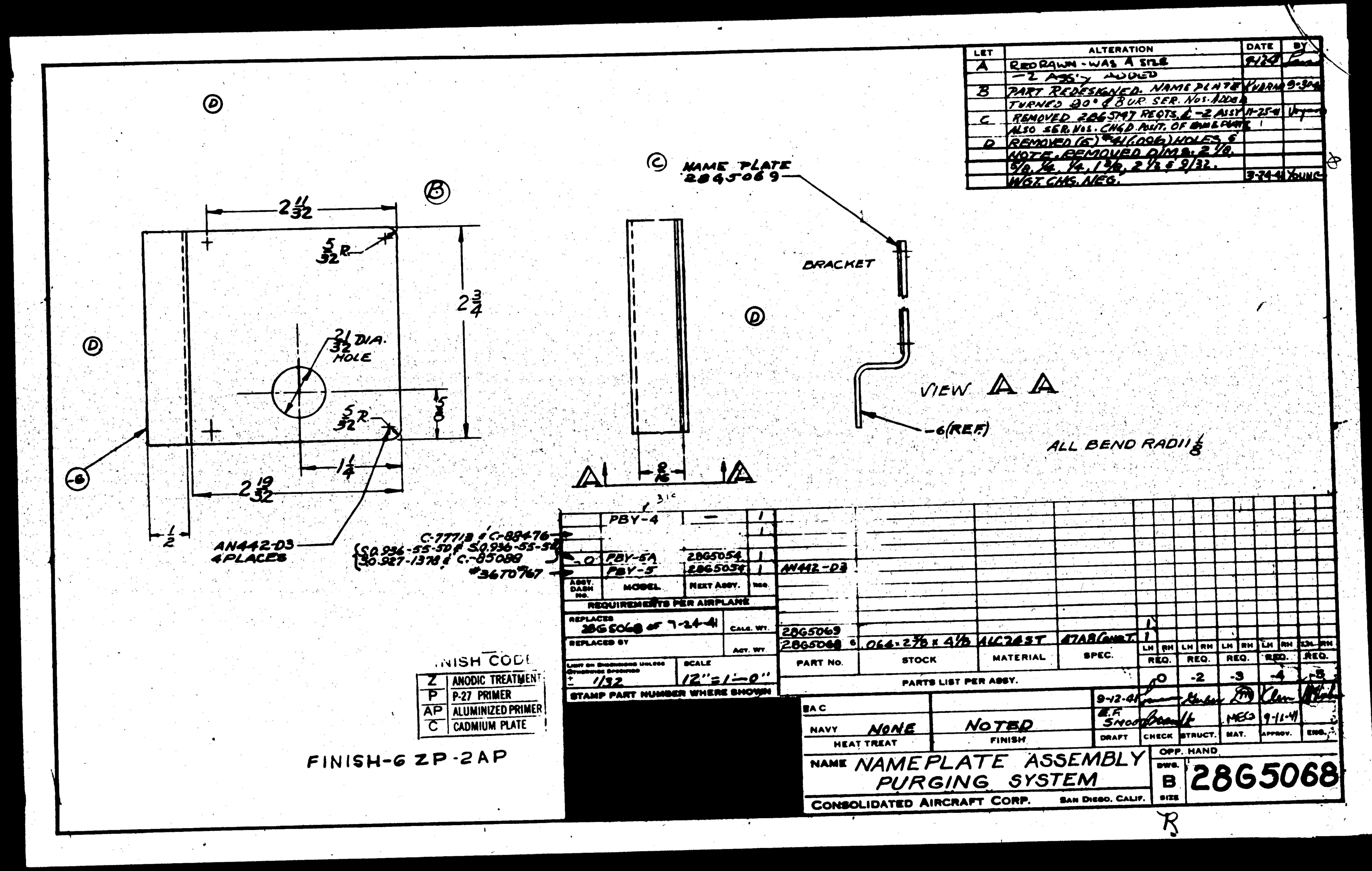


E.O. 31082
LET
ALTERATION
DATE
BY
A
1 3/8 WAS 1 1/8 (REF) & 5/8 WAS 1/2 (REF)
.051 DURAL 24 S.O. H.T S.R.-53 WAS
K14033 AL. ALL. EXT. -46A9 "A" &
12-14-40
B
ADDED LIMITATIONS TO PBY-5 L/R
& PBY-5A L/R IN REQ. PER AIRPLANE
BLOCK. NO WT. CHG.
5-15-43
5 3/4
1/2
7/16
1 3/8
5°
1/2
5/8
A
VIEW A-A
83°
GP-GREEN PRIME
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
CADMIUM PLATE
70496-77713 ONLY
70496 #60 TO 167 ONLY
R PBY-5A 28G5062 1
L PBY-5A 28G5062 1
R PBY-5 28G5062 1
L PBY-5 28G5062 1
ASSY DASH NO
MODEL
NEXT ASSY.
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
.049
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
12" = 1'0"
STAMP PART NUMBER WHERE SHOWN
AN442-D5
.051X2 1/4X6 1/2
DURAL 24SO
46A9 "A"
PART No
STOCK
MATERIAL
SPEC.
LH RH
REQ.
-0 -2 -3 -4 -5
PARTS LIST PER ASSY.
AC
NAVY SR-53
HEAT TREAT
2-P-2GP
FINISH
DRAFT
CHECK
STRUCT.
MAT.
APPROV
ENG
OPP. HAND
NAME
ANGLE-SUPPORT
DUMP VALVE FRONT PULLEY
DWG. B SIZE
2865064
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.

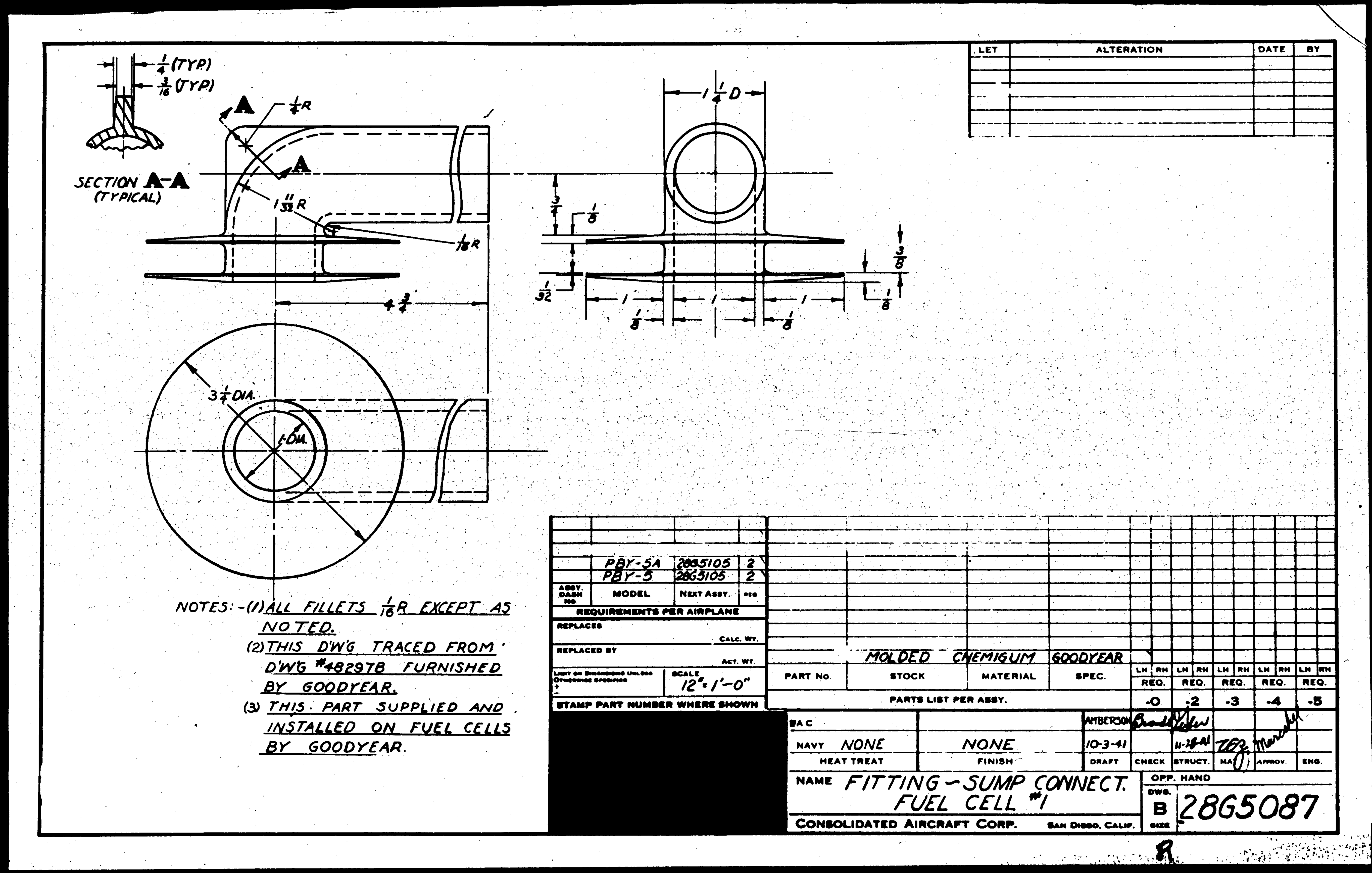

LET | ALTERATION | DATE | BY
C | ADDED LIMITATIONS TO PBY-5 4/R & PBY-5A 4/R IN REQ. PER AIRPLANE. BLOCK. NO WT. CHG. | 5-17-43
E.O. 31082
LET | ALTERATION | DATE | BY
A | 10 1/16 WAS 9 1/16, 1/2 WAS 1/4, REMOVED DIM. LOCAT. L.H. HOLE & ADDED NOTE
B | 2 APPROX. ST. WAS 2 1/4; ADDED DIMS. 3 APPROX. EA. WAY & 3 1/2. 70° WAS 60°; NOTE ADDED.
REMVD. 1 APPROX. ST. AT L END
E.O. 33285
3 APPROX. EACH WAY
2 APPROX. STRAIGHT
A
3/4 (REF.)
#10 (.193) DIA 2 HOLES
3 1/2
10 1/16
GP-GREEN PRIME
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
MAKE FROM K#5401
LOCATE & DRILL AT INSTALLATION
C-70496-77713 ONLY, C-70496-60 TO 167 ONLY
BEND IN LEG TO AMOUNT SHOWN, TAPERING SMOOTHLY WITHIN THE 3 (REF.) LIMIT
70°
SEC. A-A
L/R 28-5MC 28G5062
L/R 28-5AMC 28G5062
L/R PBY-5A 28G5062
L/R PBY-5 28G5062
ASSY. DASH NO. | MODEL | NEXT ASSY.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'0"
STAMP PART NUMBER WHERE SHOWN
K 5401 X
AL. ALL. EXT. 46A9
PART NO. | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 | -2 | -3 | -4 | -5
PARTS LIST PER ASSY.
AC
NAVY SR-53
HEAT TREAT
Z-P-2GP
FINISH
DRAFT | CHECK | STRUCT. | MAT. | APPROV | ENG
OPP. HAND 28G5065 R
NAME ANGLE-SUPPORT DUMP VALVE FRONT PULLEY
DWG. B SIZE 28G5065
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



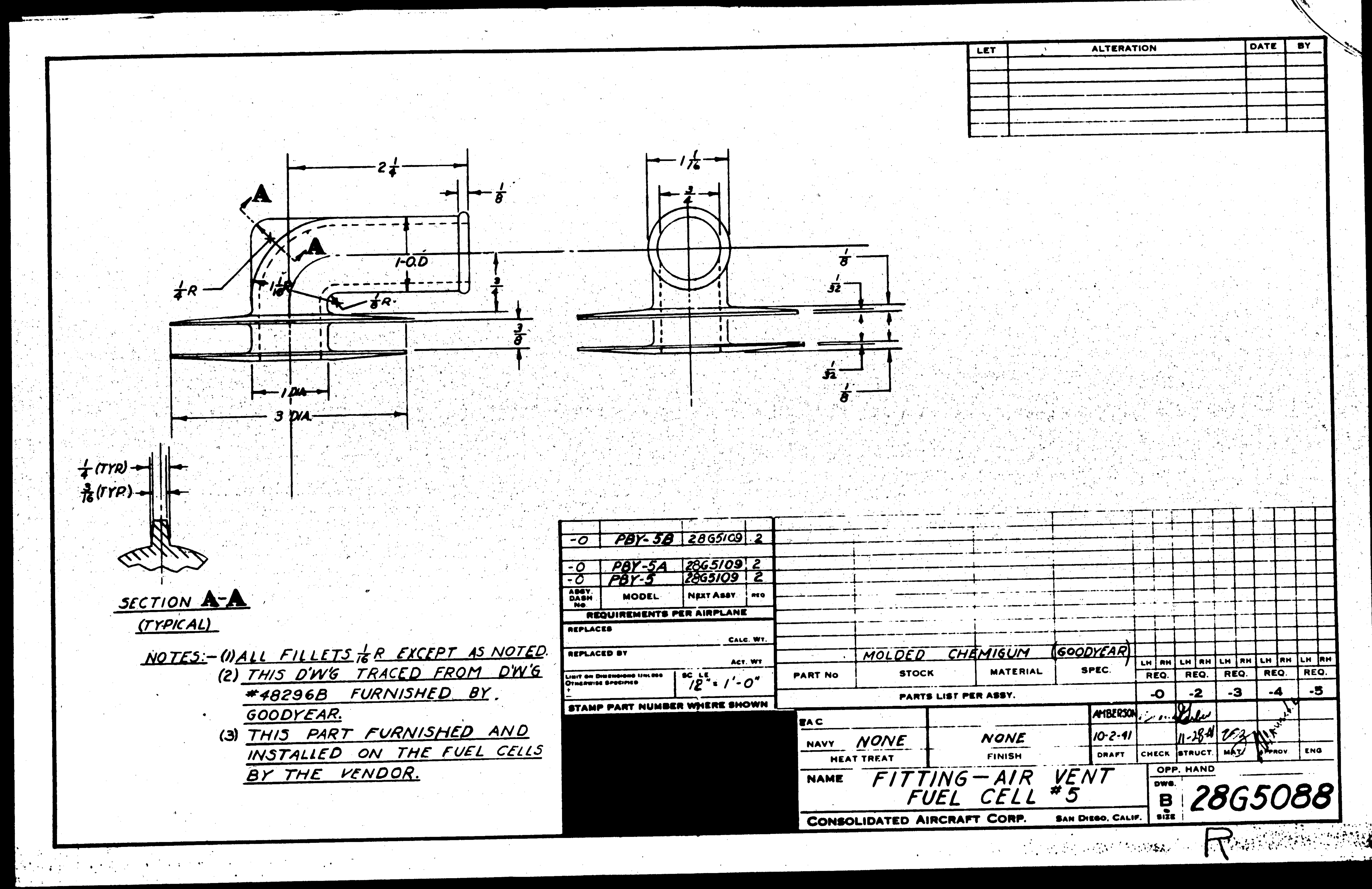
LET | ALTERATION | DATE | BY
A | ADDED LIMITATIONS TO PBY-5 L/R & PBY-5A L/R IN REQ PER AIRPLANE BLOCK. NO WT. CHG. | 5-17-43
G.P.-GREEN PRIME
FINISH CODE
Z ANODIC TREATMENT
P. P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
17°
54°
3/4
TRUE
A
#10 (.192) DIA. 2 HOLES
B
3/8
TRUE
21°
1 1/8
1/2
3/4
3/8
54°
3/4
1/8 R
54°
3/8
3/4
3/8
8 13/16
SECTION B-B
SECT. A-A
70496-77713 ONLY
70496 #60 TO 167 ONLY
A
R PBY5A 28G5062 1
L PBY-5A 28G5062 1
R PBY-5 28G5062 1
L PBY-5 28G5062 1
ASSY. DASH No. | MODEL | Next Assy.
REQUIREMENTS PER AIRPLANE
REPLACES
.08 CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'0"
STAMP PART NUMBER WHERE SHOWN
K5401 x 10 5/8 | AL ALL EXT. | 46A9 "A"
PART No. | STOCK | MATERIAL | SPEC.
LH RH REQ. | LH RH REQ. | LH RH REQ. | LH RH REQ. | LH RH REQ.
-0 | -2 | -3 | -4 | -5
PARTS LIST PER ASSY.
AC
NAVY SR-53
HEAT TREAT
Z-P-26P
FINISH
11/13/40
DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
OPP. HAND 28G5062
NAME ANGLE - SUPPORT DUMP VALVE - FRONT PULLEY
DWG. SIZE B
28G5066
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



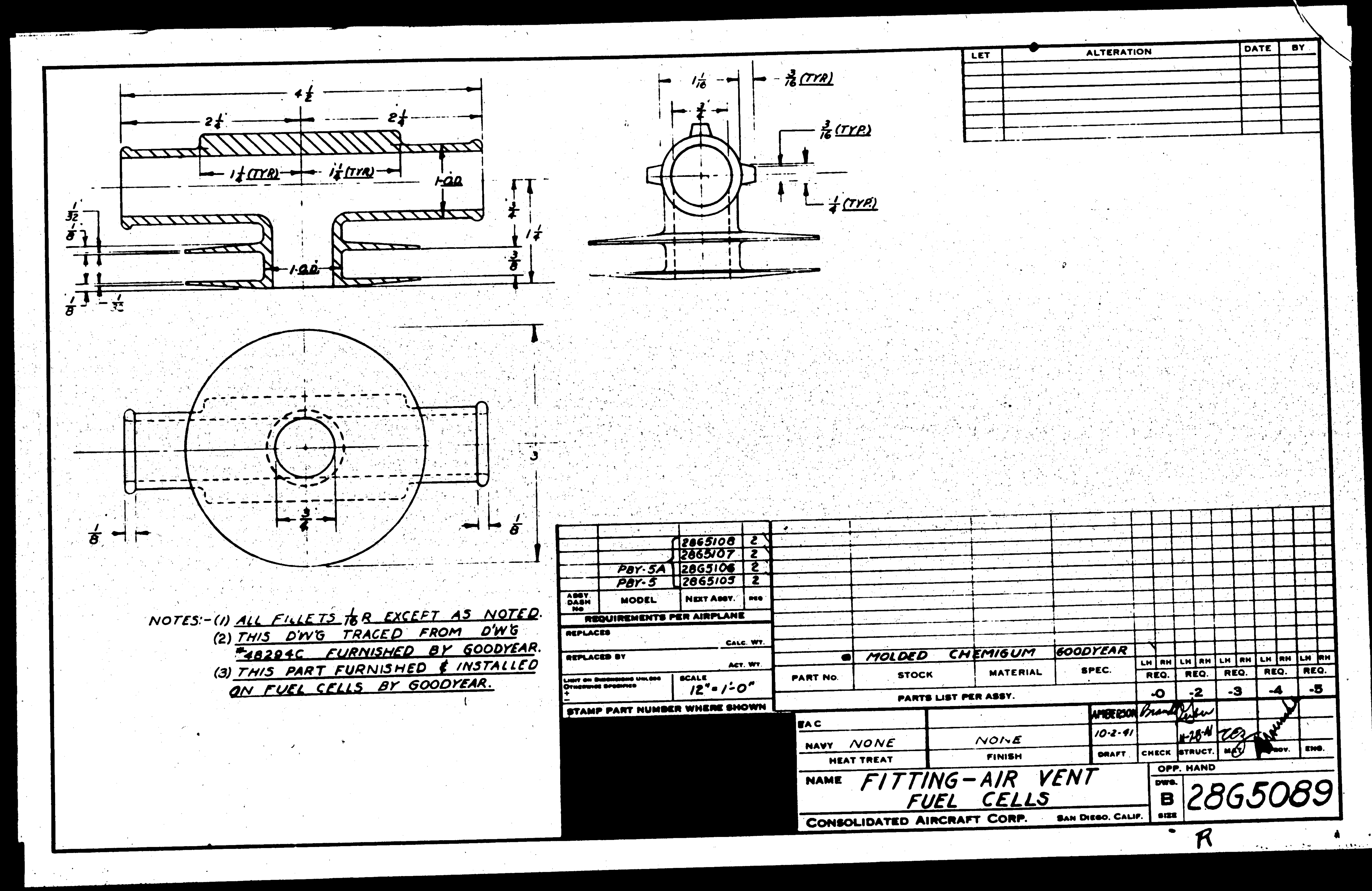
LET | ALTERATION | DATE | BY
A REDRAWN - WAS A SIZE -2 ASSY ADDED
B PART REDESIGNED. NAME PLATE TURNED 90° & BUR. SER. NOS. ADDED
C REMOVED 2865747 REQTS. & -2 ASSY ALSO SER. NOS. CHGD. POSIT. OF NAME PLATE
D REMOVED (5) #41(.096) HOLES & NOTE. REMOVED DIMS. 2 1/8, 5/8, 1/4, 1/4, 1 3/8, 2 1/2 & 9/32. WGT. CHG. NEG.
NAME PLATE 2865069
BRACKET
VIEW A A
-6(REF.)
ALL BEND RADII 1/8
21/32 DIA. HOLE
5/32 R.
AN442-D3 4 PLACES
PBY-4
PBY-5A 2865054
PBY-5 2865059
AN442-D3
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES 2865068 of 9-24-41
REPLACED BY
CALC. WT.
ACT. WT.
2865069
2865068 .064 x 2 7/8 x 4 1/8 ALC24ST
PART NO. | STOCK | MATERIAL | SPEC.
PARTS LIST PER ASSY.
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
FINISH-6 ZP-2AP
NAVY NONE
HEAT TREAT
NOTED
FINISH
DRAFT CHECK STRUCT. MAT. APPROV. ENG.
OPP. HAND
NAME NAMEPLATE ASSEMBLY PURGING SYSTEM
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
DWG. B SIZE
2865068



LET | ALTERATION | DATE | BY
1/4 (TYP.)
3/16 (TYP.)
SECTION A-A
(TYPICAL)
A
1/4 R
1 11/32 R
1/16 R
1 1/4 D
3/4
1/8
1/32
3/8
1/8
1
1
1
1/8
1/8
4 3/4
3 1/4 DIA.
1 DIA.
NOTES:-(1) ALL FILLETS 1/16 R EXCEPT AS NOTED.
(2) THIS D'W'G TRACED FROM D'W'G #482978 FURNISHED BY GOODYEAR.
(3) THIS PART SUPPLIED AND INSTALLED ON FUEL CELLS BY GOODYEAR.
PBY-5A | 28G5105 | 2
PBY-5 | 28G5105 | 2
ASSY. DASH No. | MODEL | NEXT ASSY. | REQ
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
MOLDED | CHEMIGUM | GOODYEAR
PART No. | STOCK | MATERIAL | SPEC.
LH | RH | LH | RH | LH | RH | LH | RH | LH | RH
REQ. | REQ. | REQ. | REQ. | REQ.
PARTS LIST PER ASSY.
-0 | -2 | -3 | -4 | -5
[redacted]
AC
NAVY NONE
HEAT TREAT
NONE
FINISH
AMBERSON
10-3-41
11-28-41
DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
NAME FITTING - SUMP CONNECT. FUEL CELL #1
OPP. HAND
DWG. SIZE B
28G5087
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

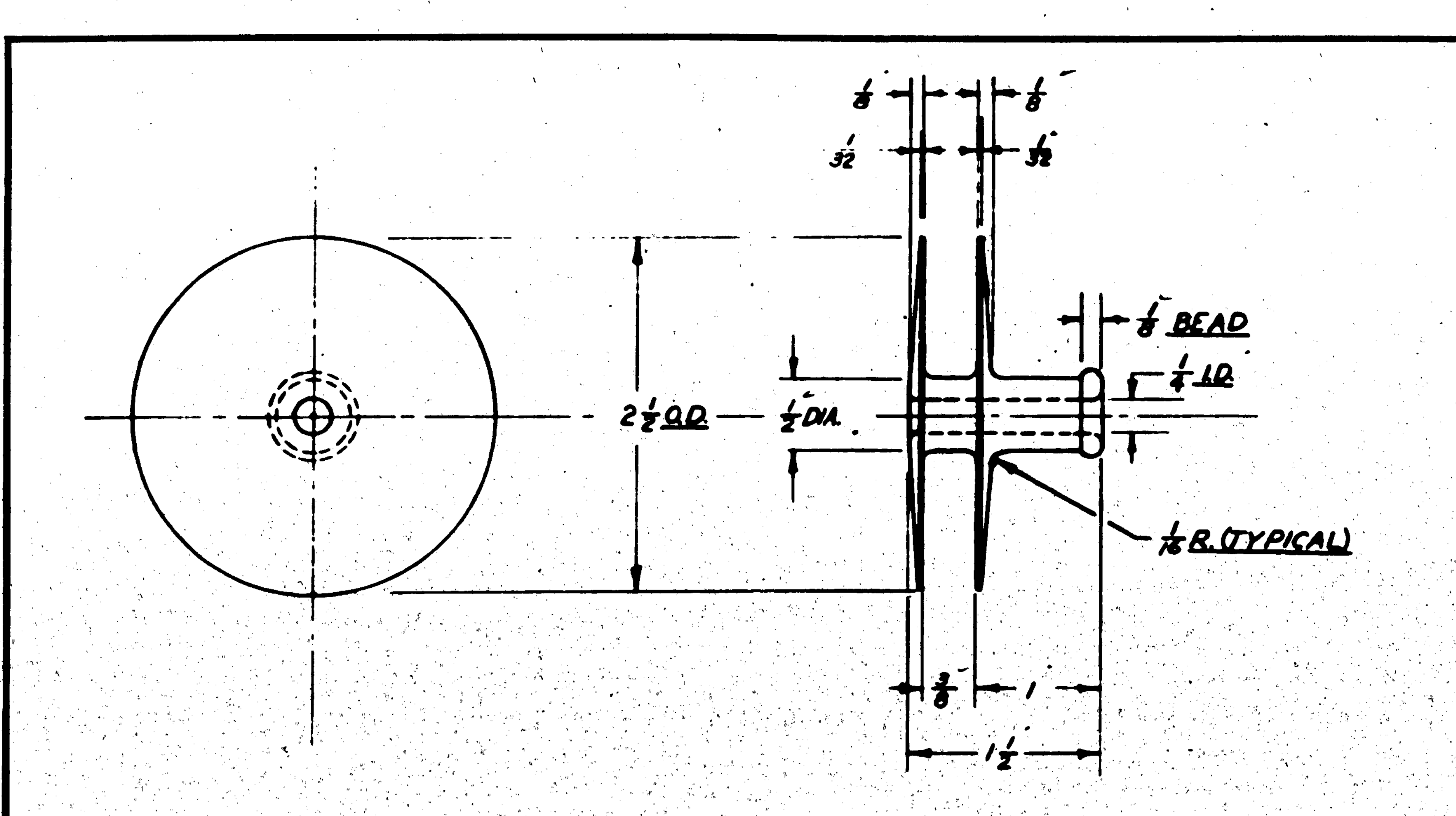


LET
ALTERATION
DATE
BY
2 1/4
1/8
A
A
1-O.D
1/4 R
1 1/16 R
1/8 R
3/4
3/8
1 DIA
3 DIA
1 1/16
3/4
1/8
1/32
1/32
1/8
1/4 (TYP.)
3/16 (TYP.)
SECTION A-A
(TYPICAL)
NOTES:- (1) ALL FILLETS 1/16 R EXCEPT AS NOTED.
(2) THIS D'W'G TRACED FROM D'W'G #48296B FURNISHED BY GOODYEAR.
(3) THIS PART FURNISHED AND INSTALLED ON THE FUEL CELLS BY THE VENDOR.
-0 PBY-5B 28G5109 2
-0 PBY-5A 28G5109 2
-0 PBY-5 28G5109 2
ASSY. DASH No.
MODEL
NEXT ASSY
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
MOLDED CHEMIGUM (GOODYEAR)
PART No
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
AAC
NAVY NONE
HEAT TREAT
NONE
FINISH
AMBERSON
10-2-41
11-28-41
DRAFT
CHECK
STRUCT.
MAT.
APPROV
ENG
NAME FITTING—AIR VENT FUEL CELL #5
OPP. HAND
DWG. SIZE B
28G5088
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
R



LET
ALTERATION
DATE
BY
4 1/2
2 1/4
2 1/4
1 1/4 (TYP)
1 1/4 (TYP)
1-O.D.
1-O.D.
1/32
1/8
1/8
1/32
3/4
1 1/4
3/8
3
1/8
3/4
1/8
1 1/16
3/16 (TYP)
3/4
3/16 (TYP)
1/4 (TYP)
NOTES:-(1) ALL FILLETS 1/16 R EXCEPT AS NOTED.
(2) THIS D'W'G TRACED FROM D'W'G #48294C FURNISHED BY GOODYEAR.
(3) THIS PART FURNISHED & INSTALLED ON FUEL CELLS BY GOODYEAR.
28G5108 2
28G5107 2
PBY-5A 28G5106 2
PBY-5 28G5105 2
ASSY. DASH No
MODEL
NEXT ASSY.
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
MOLDED CHEMIGUM GOODYEAR
PART No.
STOCK
MATERIAL
SPEC.
LH RH
REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
AC
NAVY NONE
HEAT TREAT
NONE
FINISH
ANDERSON
10-2-41
11-28-41
DRAFT
CHECK
STRUCT.
APPROV.
ENG.
OPP. HAND
NAME FITTING-AIR VENT FUEL CELLS
DWG. SIZE B
28G5089
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
R

LET	ALTERATION	DATE	BY



NOTES:—(1) ALL RADII 1/16 EXCEPT AS NOTED.
(2) THIS D'W'G TRACED FROM D'W'G # 48295-D FURNISHED BY GOODYEAR.
(3) THIS PART SUPPLIED AND INSTALLED ON FUEL CELLS BY GOODYEAR.

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28G5105	8
	PBY-5	28G5105	8

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±

SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	LH REQ. -0	RH REQ. -0	LH REQ. -2	RH REQ. -2	LH REQ. -3	RH REQ. -3	LH REQ. -4	RH REQ. -4	LH REQ. -5	RH REQ. -5
■	MOLDED	CHEMIGUM	GOODYEAR										

PARTS LIST PER ASSY.

AAC		AMBERSON					
NAVY NONE	NONE	10-2-41		11-28-41			
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

NAME FITTING — SIGHT GAUGE FUEL CELL # 1

OPP. HAND

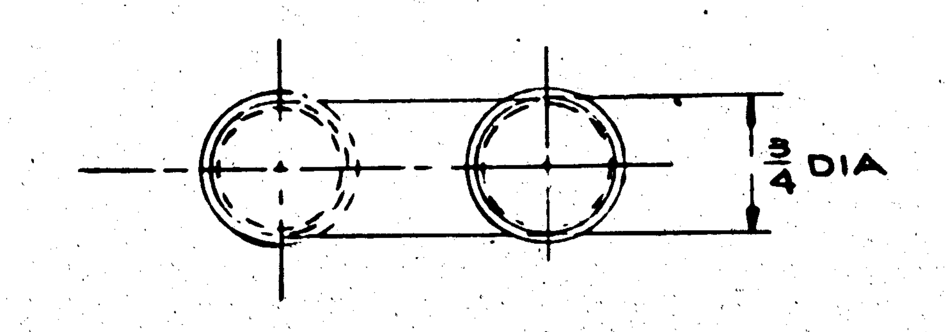
DWG. SIZE B 28G5090

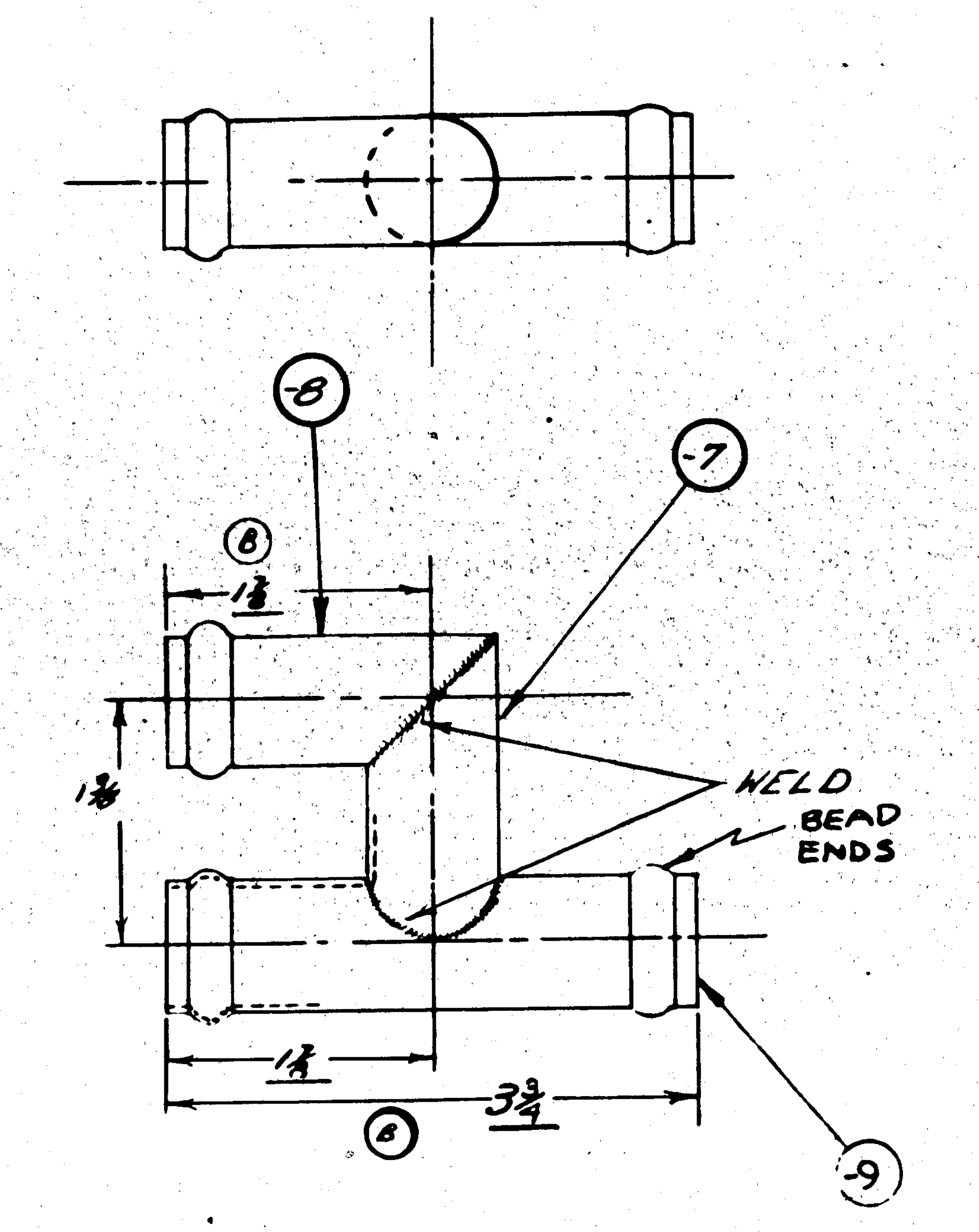
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

LET	ALTERATION	DATE	BY
A	-6 WELD ASSY REMOVED		
	FROM FACE OF DRAWG E.R.M.	5-19-41	WALLA
B	INCREASED DIM. (-9) 1⅞ WAS 1⅛ 3¾ WAS		
	(-8) 1⅞ WAS 1⅞	6-4-41	DICK

E.O. A4078 DA-10 PBY-5, 5A





GP - GREEN PRIME

FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

THIS DWG. RUSH RELEASED 5-8-41

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ
	PBY-5A	28G5040-22	1
	PBY-5A	-21	1
	PBY-5	-26	1
	PBY-5	28G5040-24	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 REQ. LH	-0 REQ. RH	-2 REQ. LH	-2 REQ. RH	-3 REQ. LH	-3 REQ. RH	-4 REQ. LH	-4 REQ. RH	-5 REQ. LH	-5 REQ. RH
-9	¾ O.D. × .049 × 3½	52SO TUBE	44T32 TEMP A	1									
-8	¾ O.D. × .049 × 2	52SO TUBE	44T32 TEMP A	1									
28G5094-7	¾ O.D. × .049 × 2	52SO TUBE	44T32 TEMP A	1									

PARTS LIST PER ASSY.

[redacted]

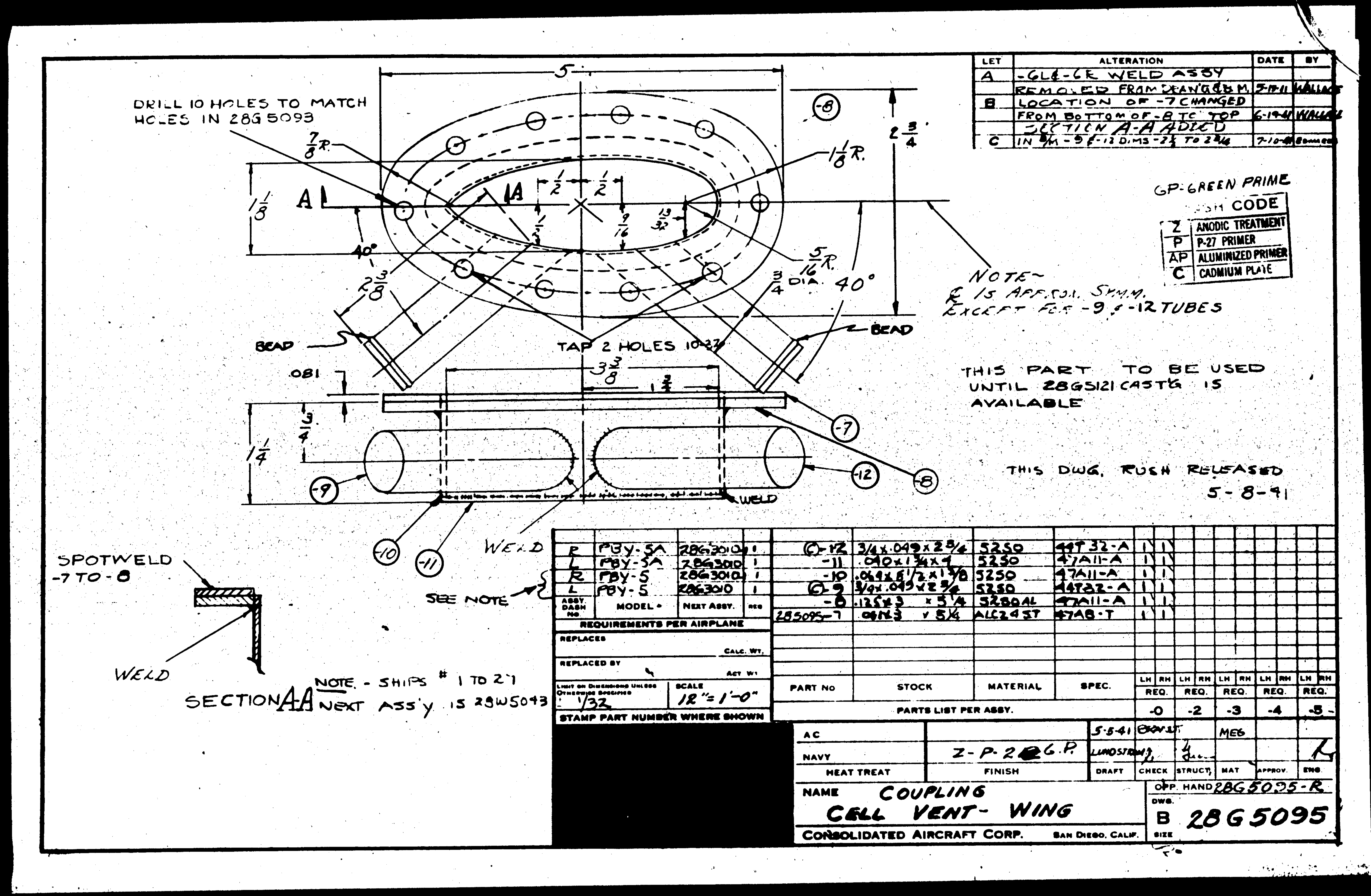
AC		WALLACE	BRAND		MEG		
NAVY	Z-P-2[illegible] GP.	5-8-41					
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

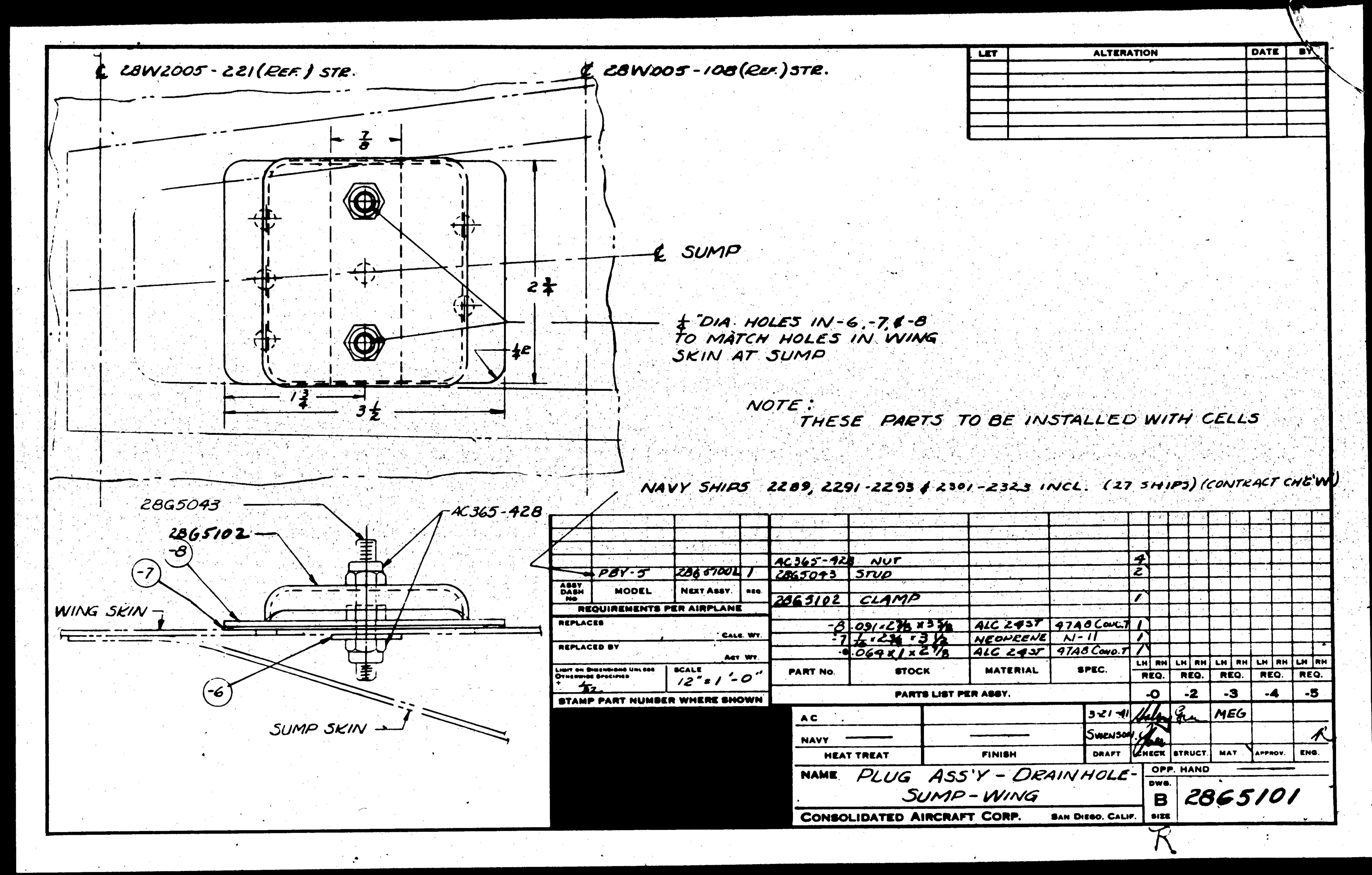
NAME THREE WAY CONNECTION CELL VENT-WING

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

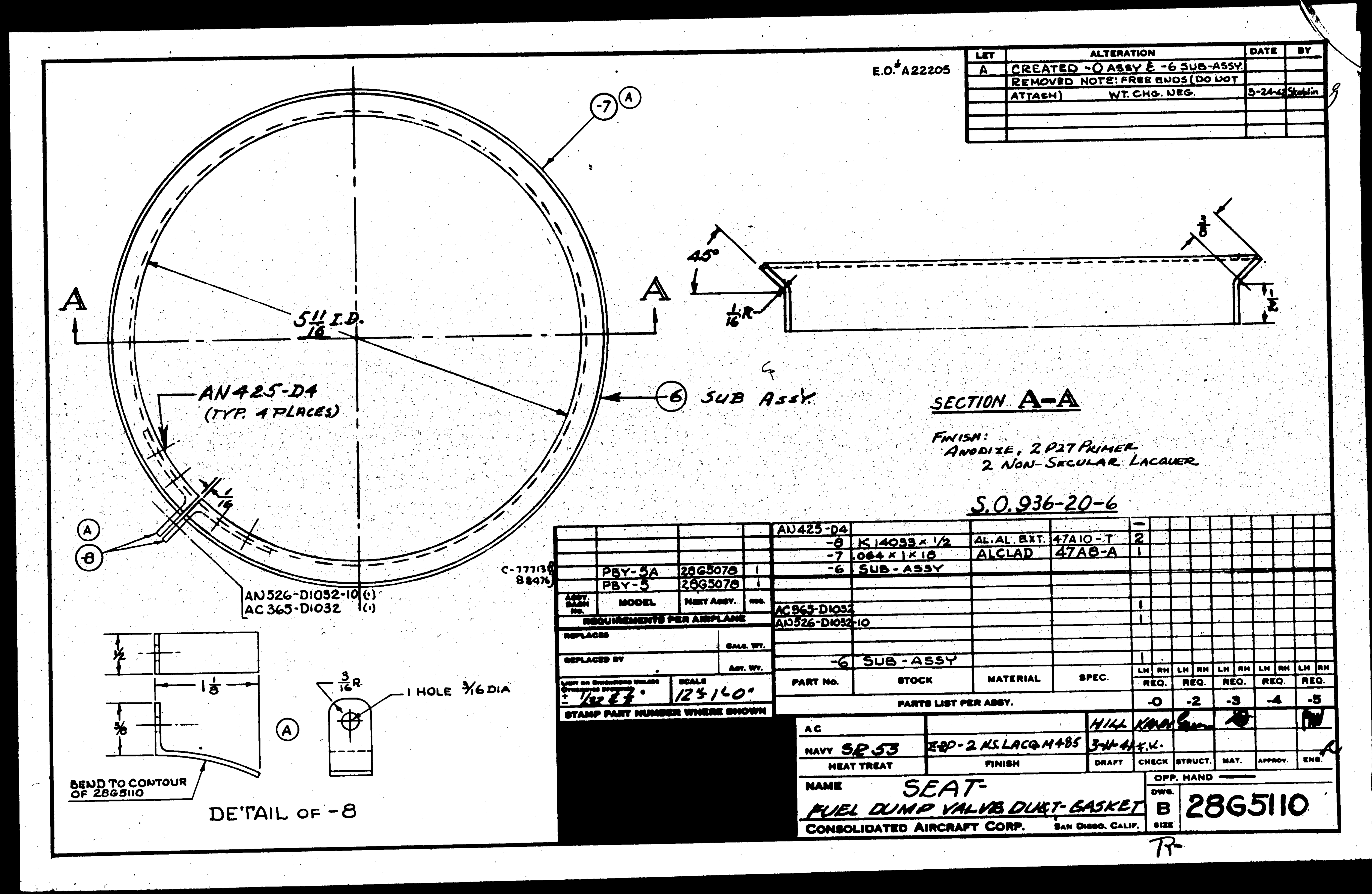
OPP. HAND

DWG. SIZE B 28G5094.


LET | ALTERATION | DATE | BY
A -6L&-6R WELD ASSY REMOVED FROM DRAWING
B LOCATION OF -7 CHANGED FROM BOTTOM OF -8 TO TOP SECTION A-A ADDED
C
DRILL 10 HOLES TO MATCH HOLES IN 28G5093
GP-GREEN PRIME
CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
NOTE~ ℄ IS APPROX. SYMM. EXCEPT FOR -9 & -12 TUBES
BEAD
TAP 2 HOLES 10-32
.081
THIS PART TO BE USED UNTIL 28G5121 CASTG IS AVAILABLE
THIS DWG. RUSH RELEASED 5-8-41
WELD
SPOTWELD -7 TO -8
SEE NOTE
SECTION A-A
NOTE - SHIPS # 1 TO 27 NEXT ASS'Y IS 28W5043
R PBY-5A 28G3010
L PBY-5A 28G3010
R PBY-5 28G3010
L PBY-5 28G3010
ASSY. DASH No. | MODEL | NEXT ASSY. | REQ
REQUIREMENTS PER AIRPLANE
-12 3/4 x .049 x 2 3/4 52SO 44T32-A
-11 .040 x 1 3/4 x 4 52SO 47A11-A
-10 .064 x 5 1/2 x 1 5/8 52SO 47A11-A
-9 3/4 x .049 x 2 3/4 52SO 44T32-A
-8 .125 x 3 x 5 1/4 52SO AL 47A11-A
28G5095-7 .081 x 3 x 5 1/4 ALC24ST 47A8-T
PART No | STOCK | MATERIAL | SPEC.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
AC
NAVY
HEAT TREAT
FINISH Z-P-2 G.P.
5-5-41 LUNDSTROM
DRAFT CHECK STRUCT. MAT APPROV. ENG.
NAME COUPLING CELL VENT- WING
OPP. HAND 28G5095-R
DWG. B 28G5095
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

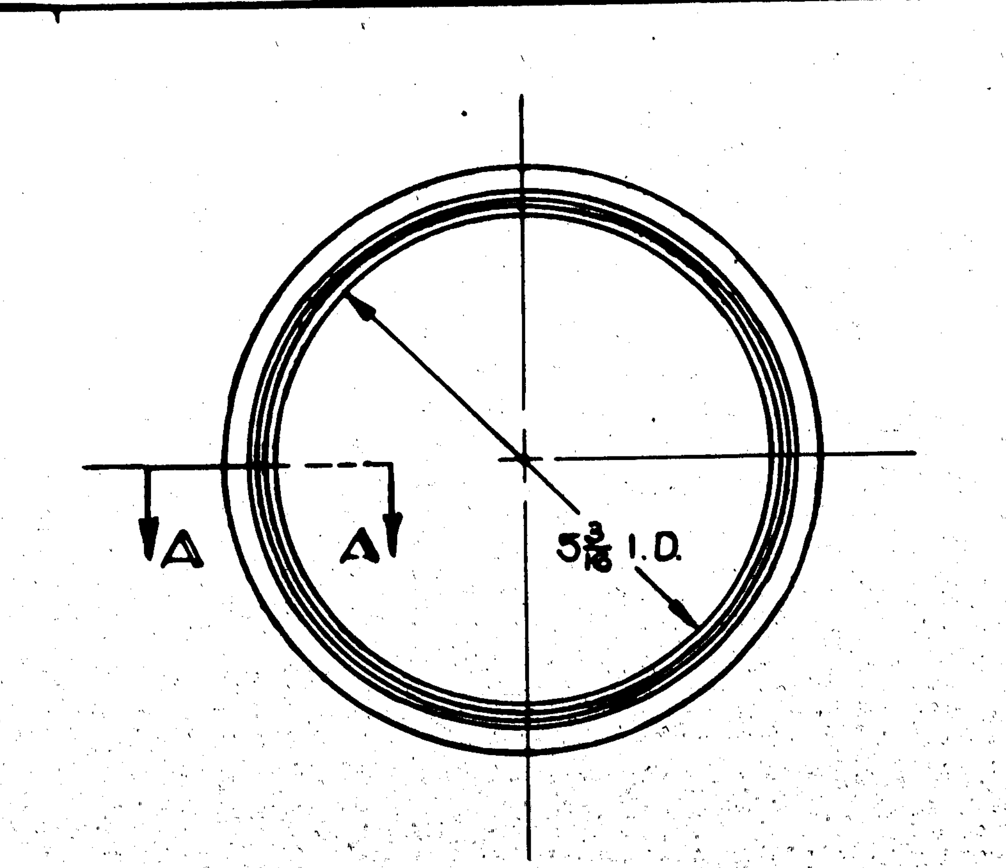


LET
ALTERATION
DATE
BY
℄ 28W2005-221(REF.) STR.
℄ 28W005-108(REF.) STR.
7/8
℄ SUMP
2 3/4
1/4" DIA. HOLES IN -6, -7, & -8
TO MATCH HOLES IN WING
SKIN AT SUMP
1/8 R
1 3/4
3 1/2
NOTE:
THESE PARTS TO BE INSTALLED WITH CELLS
NAVY SHIPS 2289, 2291-2293 & 2301-2323 INCL. (27 SHIPS) (CONTRACT CHG W)
28G5043
AC365-428
28G5102
-8
-7
WING SKIN
-6
SUMP SKIN
PBY-5
28G5100L
1
ASSY DASH NO
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT WT.
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
AC365-428 NUT 4
28G5043 STUD 2
28G5102 CLAMP 1
-8 .091 x 2 3/8 x 3 1/2 ALC 24ST 47A8 Cond. T 1
-7 1/16 x 2 3/4 x 3 1/2 NEOPRENE N-11 1
-6 .064 x 1 x 2 7/8 ALC 24ST 47A8 Cond. T 1
PART No.
STOCK
MATERIAL
SPEC.
LH RH
REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
AC
NAVY
HEAT TREAT
FINISH
3-21-41
SWENSON
MEG
DRAFT
CHECK
STRUCT.
MAT
APPROV.
ENG.
OPP. HAND
NAME PLUG ASS'Y - DRAINHOLE - SUMP - WING
DWG.
B
SIZE
28G5101
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

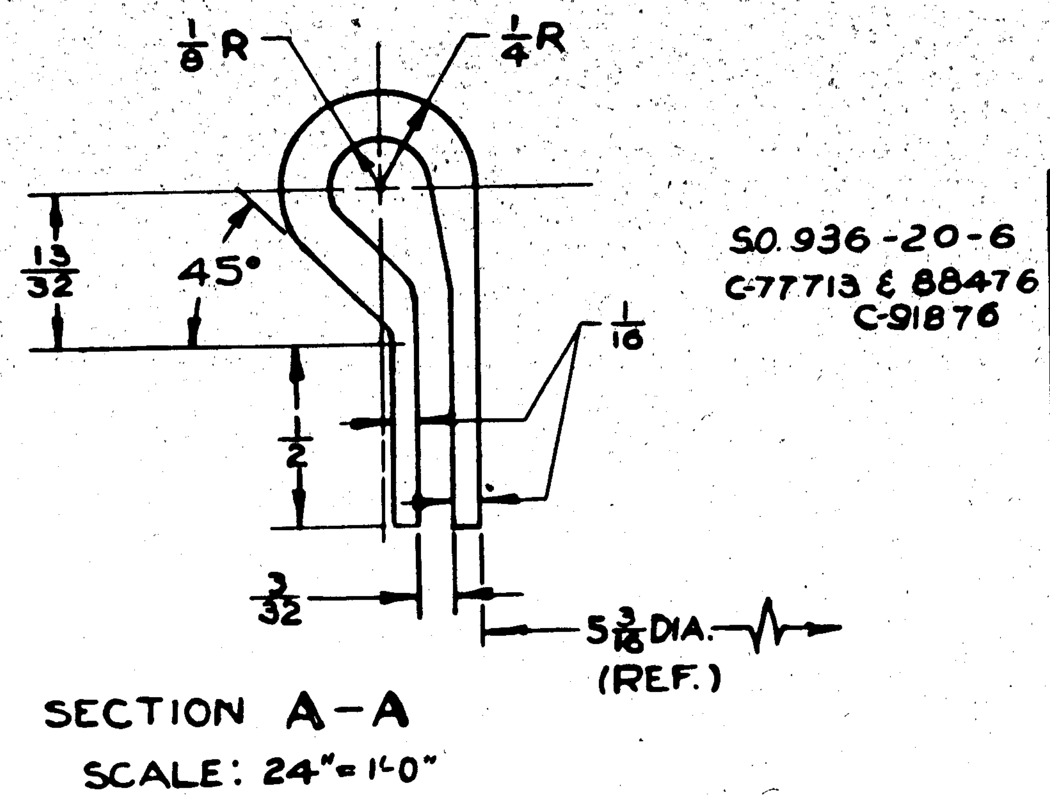

E.O. A22205
LET
ALTERATION
DATE
BY
A
CREATED -0 ASSY & -6 SUB-ASSY.
REMOVED NOTE: FREE ENDS (DO NOT ATTACH) WT. CHG. NEG.
-7
A
A
A
5 11/16 I.D.
AN425-D4
(TYP. 4 PLACES)
-6 SUB ASSY.
1/16
A
-8
AN526-D1032-10 (1)
AC365-D1032 (1)
45°
1/16 R
3/8
1/2
SECTION A-A
FINISH:
ANODIZE, 2 P27 PRIMER
2 NON-SECULAR LACQUER
S.O. 936-20-6
1/2
1 1/8
5/8
3/16 R
1 HOLE 3/16 DIA
A
BEND TO CONTOUR OF 28G5110
DETAIL OF -8
AN425-D4
-8 K14033 × 1/2 AL. AL. EXT. 47A10-T 2
-7 .064 × 1 × 18 ALCLAD 47A8-A 1
-6 SUB-ASSY
C-77713
88476
PBY-5A 28G5078 1
PBY-5 28G5078 1
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
AC365-D1032 1
AN526-D1032-10 1
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
-6 SUB-ASSY 1
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ. -0
LH RH REQ. -2
LH RH REQ. -3
LH RH REQ. -4
LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY SR 53
HEAT TREAT
FINISH
HILL
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NAME SEAT-
FUEL DUMP VALVE DUCT-GASKET
OPP. HAND
DWG. B SIZE
28G5110
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.

LET	ALTERATION	DATE	BY
C	TRACED ... NO WT. CHG.	10-13-43	

28G5111



PURCHASE TO DRAWING



SECTION A-A
SCALE: 24" = 1'-0"

S0.936-20-6
C-77713 & 88476
C-91876

	PBY-5A	28G5076	1
	PBY-5	28G5076	1
ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.

REQUIREMENTS PER AIRPLANE

REPLACES 28G5111 - 3-10-41 CALC. WT.
REPLACED BY ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 6 = 1'-0" & NOTED
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	LH REQ.	RH REQ.	LH REQ.	RH REQ.	LH REQ.	RH REQ.	LH REQ.	RH REQ.	LH REQ.	RH REQ.
	5/8 x 5 1/16 I.D. x 5 7/8 O.D.	SYNTH. RUB'R	ZM-048-II-A										
PARTS LIST PER ASSY.				-0		-2		-3		-4		-5	

AC		KANN			DM		BW
NAVY NONE	NONE	3-10-41	F.K.	GREEN			R.
HEAT TREAT	FINISH	DRAFT	CHECK	...CT.	MAT.	APPROV.	ENG.

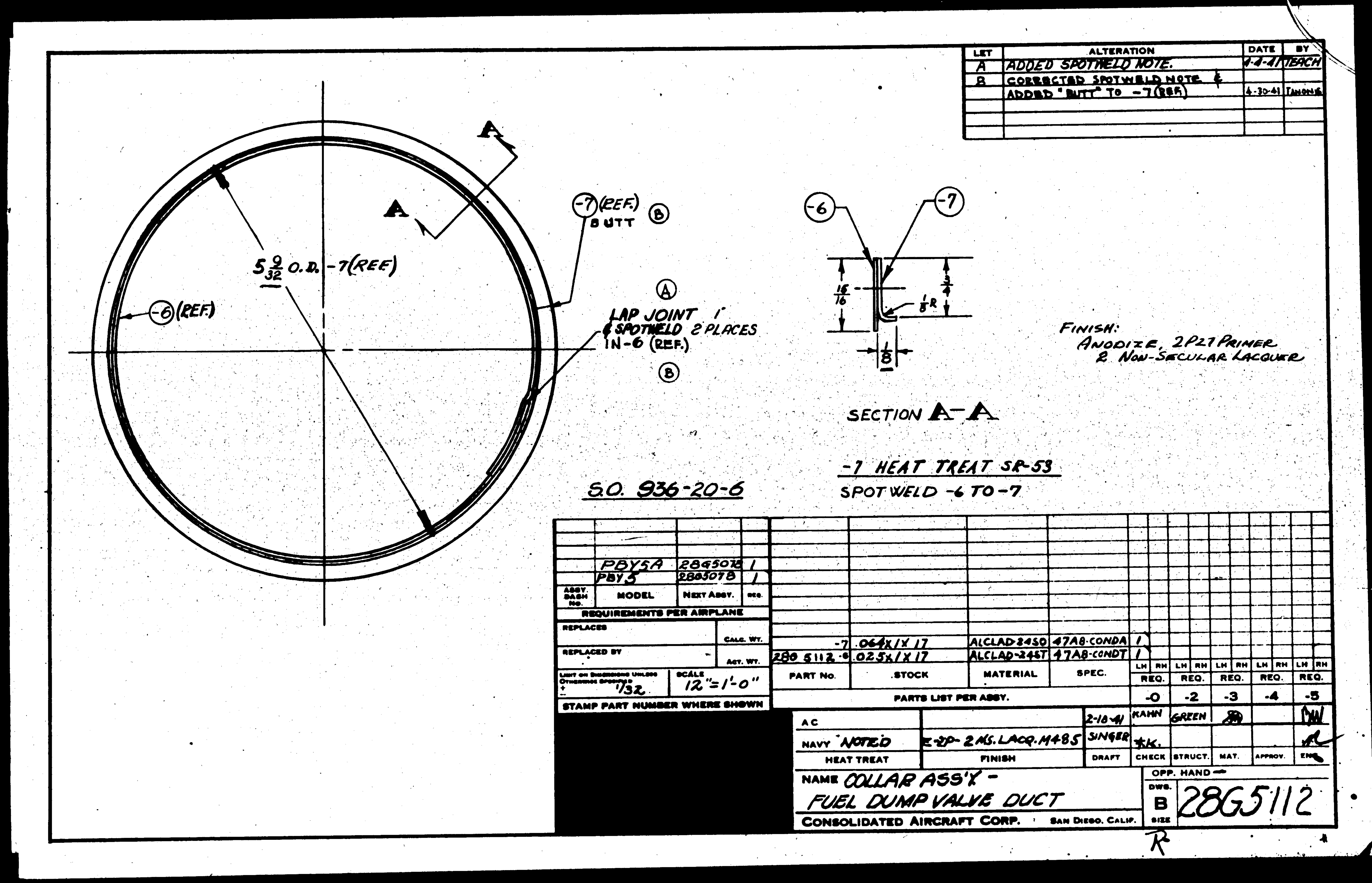
NAME GASKET - FUEL DUMP VALVE DUCT

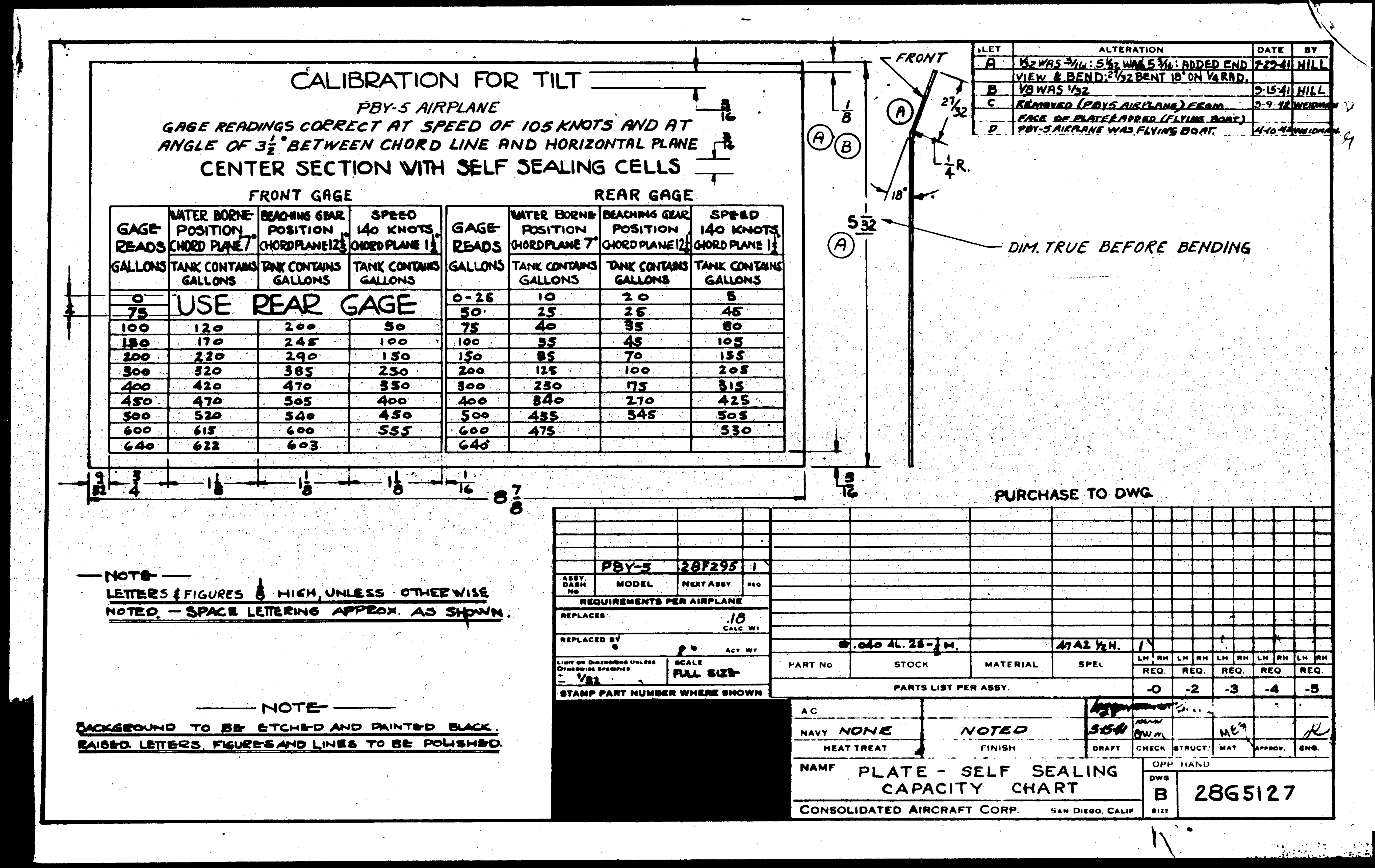
OPP. HAND NONE

DWG. SIZE B 28G5111

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R


LET | ALTERATION | DATE | BY
A | ADDED SPOTWELD NOTE. | 4-4-41 | TEACH
B | CORRECTED SPOTWELD NOTE & ADDED "BUTT" TO -7 (REF.) | 4-30-41 | TANONS
A
A
-7 (REF.) BUTT (B)
5 9/32 O.D. -7 (REF.)
-6 (REF.)
(A)
LAP JOINT 1" & SPOTWELD 2 PLACES IN -6 (REF.)
(B)
-6
-7
15/16
3/4
1/8 R
1/8
SECTION A-A
FINISH:
ANODIZE, 2P27 PRIMER
2 NON-SECULAR LACQUER
-7 HEAT TREAT SR-53
SPOTWELD -6 TO -7
S.O. 936-20-6
PBY5A 28G5078 1
PBY5 28G5078 1
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12"=1'-0"
STAMP PART NUMBER WHERE SHOWN
-7 .064 X 1 X 17 ALCLAD 24SO 47A8-CONDA 1
28G5112 -6 .025 X 1 X 17 ALCLAD 24ST 47A8-CONDT 1
PART No. | STOCK | MATERIAL | SPEC.
PARTS LIST PER ASSY.
LH RH REQ. -0
LH RH REQ. -2
LH RH REQ. -3
LH RH REQ. -4
LH RH REQ. -5
AC
NAVY NOTED
E-29-2 NS. LACQ. M485
HEAT TREAT | FINISH
2-18-41
SINGER
DRAFT
KAHN
CHECK
GREEN
STRUCT.
MAT.
APPROV.
ENG.
NAME COLLAR ASS'Y - FUEL DUMP VALVE DUCT
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP. HAND —
DWG. SIZE B
28G5112
R



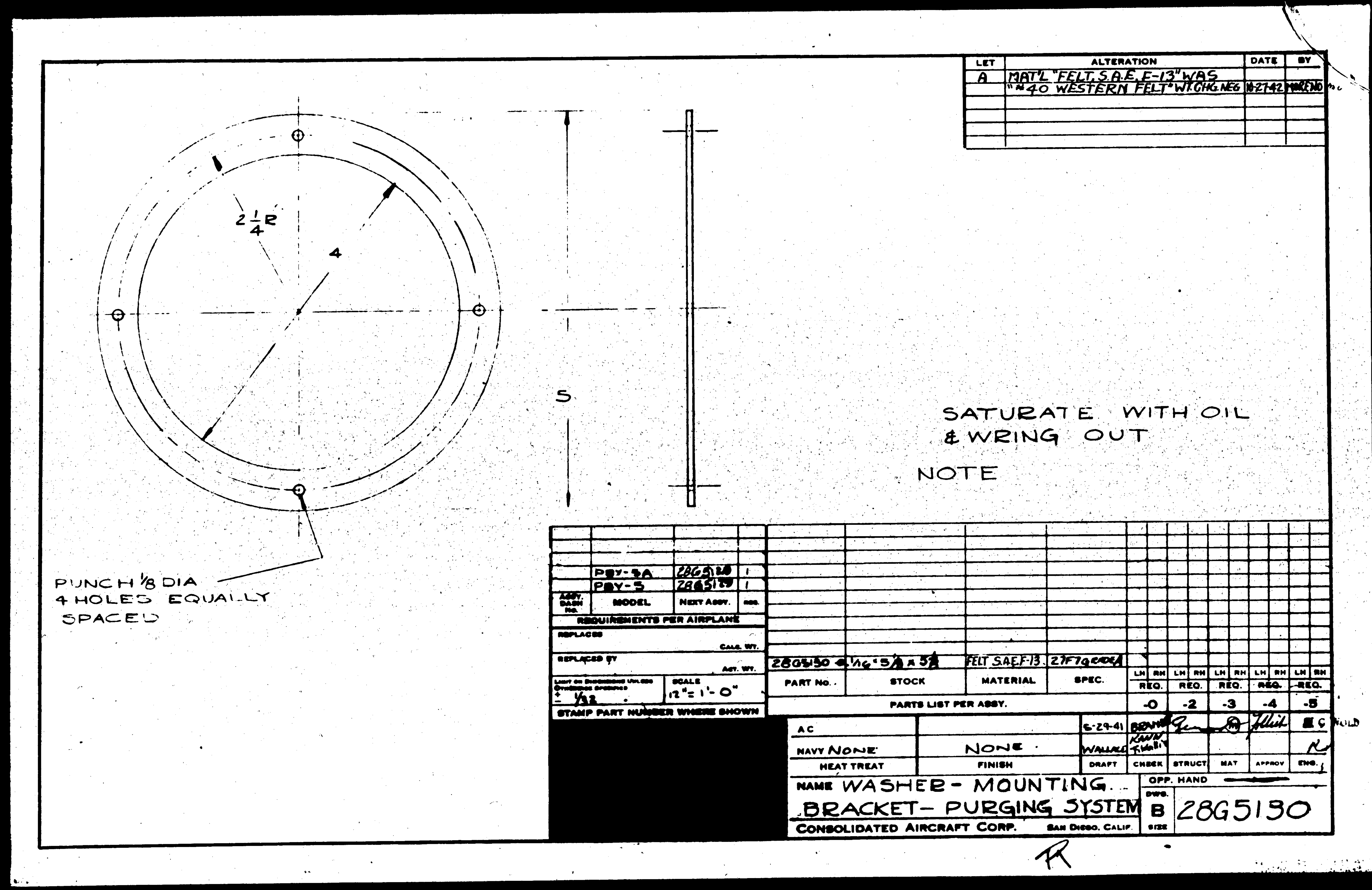
LET	ALTERATION	DATE	BY
A	5/32 WAS 3/16 : 5 1/32 WAS 5 3/16 : ADDED END VIEW & BEND: 21/32 BENT 18° ON ¼ RAD.	7-29-41	HILL
B	1/8 WAS 1/32	9-15-41	HILL
C	REMOVED (PBY5 AIRPLANE) FROM FACE OF PLATE & ADDED (FLYING BOAT)	3-9-42	WEIDMAN
D	PBY-5 AIRPLANE WAS FLYING BOAT.	4-10-42	WEIDMAN

FRONT GAGE

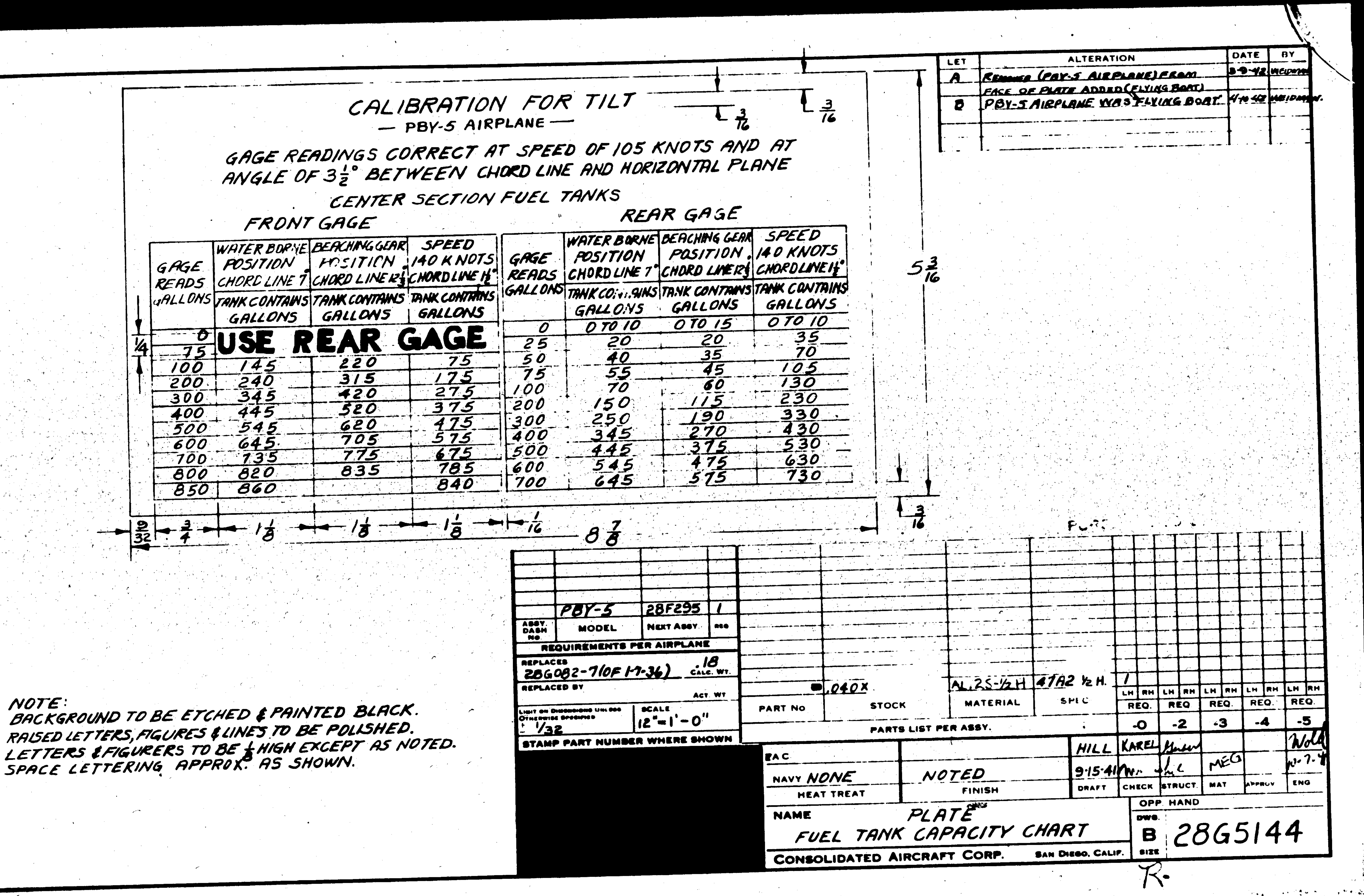
GAGE READS GALLONS	WATER BORNE POSITION CHORD PLANE 7° TANK CONTAINS GALLONS	BEACHING GEAR POSITION CHORD PLANE 12⅗° TANK CONTAINS GALLONS	SPEED 140 KNOTS CHORD PLANE 1½° TANK CONTAINS GALLONS
0	USE REAR GAGE		
75			
100	120	200	50
150	170	245	100
200	220	290	150
300	320	385	250
400	420	470	350
450	470	505	400
500	520	540	450
600	615	600	555
640	622	603	

REAR GAGE

GAGE READS GALLONS	WATER BORNE POSITION CHORD PLANE 7° TANK CONTAINS GALLONS	BEACHING GEAR POSITION CHORD PLANE 12⅗° TANK CONTAINS GALLONS	SPEED 140 KNOTS CHORD PLANE 1½° TANK CONTAINS GALLONS
0-25	10	20	5
50	25	25	45
75	40	35	80
100	55	45	105
150	85	70	155
200	125	100	205
300	230	175	315
400	340	270	425
500	435	345	505
600	475		530
640			



LET
ALTERATION
DATE
BY
A
MAT'L "FELT, S.A.E. F-13" WAS "#40 WESTERN FELT" WT. CHG. NEG.
10-27-42
2 1/4 R
4
5
PUNCH 1/8 DIA
4 HOLES EQUALLY SPACED
SATURATE WITH OIL & WRING OUT
NOTE
PBY-5A
PBY-5
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
28G5130
FELT S.A.E. F-13
PART No.
STOCK
MATERIAL
SPEC.
LH RH
REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
AC
NAVY NONE
NONE
HEAT TREAT
FINISH
5-29-41
DRAFT
CHECK
STRUCT
MAT
APPROV
ENG.
NAME WASHER - MOUNTING BRACKET - PURGING SYSTEM
OPP. HAND
DWG.
B
SIZE
28G5130
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.



CALIBRATION FOR TILT
— PBY-5 AIRPLANE —

GAGE READINGS CORRECT AT SPEED OF 105 KNOTS AND AT ANGLE OF 3½° BETWEEN CHORD LINE AND HORIZONTAL PLANE

CENTER SECTION FUEL TANKS

FRONT GAGE

GAGE READS GALLONS	WATER BORNE POSITION CHORD LINE 7° TANK CONTAINS GALLONS	BEACHING GEAR POSITION CHORD LINE 12½° TANK CONTAINS GALLONS	SPEED 140 KNOTS CHORD LINE 1½° TANK CONTAINS GALLONS
0	USE REAR GAGE		
75	USE REAR GAGE		
100	145	220	75
200	240	315	175
300	345	420	275
400	445	520	375
500	545	620	475
600	645	705	575
700	735	775	675
800	820	835	785
850	860		840

REAR GAGE

GAGE READS GALLONS	WATER BORNE POSITION CHORD LINE 7° TANK CONTAINS GALLONS	BEACHING GEAR POSITION CHORD LINE 12½° TANK CONTAINS GALLONS	SPEED 140 KNOTS CHORD LINE 1½° TANK CONTAINS GALLONS
0	0 TO 10	0 TO 15	0 TO 10
25	20	20	35
50	40	35	70
75	55	45	105
100	70	60	130
200	150	115	230
300	250	190	330
400	345	270	430
500	445	375	530
600	545	475	630
700	645	575	730

LET	ALTERATION	DATE	BY
A	REMOVED (PBY-5 AIRPLANE) FROM FACE OF PLATE ADDED (FLYING BOAT)	3-9-42	WEIDMAN
B	PBY-5 AIRPLANE WAS "FLYING BOAT"	4-10-42	WEIDMAN

NOTE:
BACKGROUND TO BE ETCHED & PAINTED BLACK.
RAISED LETTERS, FIGURES & LINES TO BE POLISHED.
LETTERS & FIGURERS TO BE 1/8 HIGH EXCEPT AS NOTED.
SPACE LETTERING APPROX. AS SHOWN.

ASSY. DASH NO. | MODEL: PBY-5 | NEXT ASSY: 28F295 | REQ: 1

REQUIREMENTS PER AIRPLANE

REPLACES: 28G082-7 (OF 1-7-36) — CALC. WT. .18

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: 1/32 — SCALE: 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No | STOCK: .040 X | MATERIAL: AL. 2S-½H | SPEC: 47A2 ½ H. | REQ. 1

LH RH REQ. -0 | -2 | -3 | -4 | -5

PARTS LIST PER ASSY.

EAC

NAVY: NONE — HEAT TREAT

NOTED — FINISH

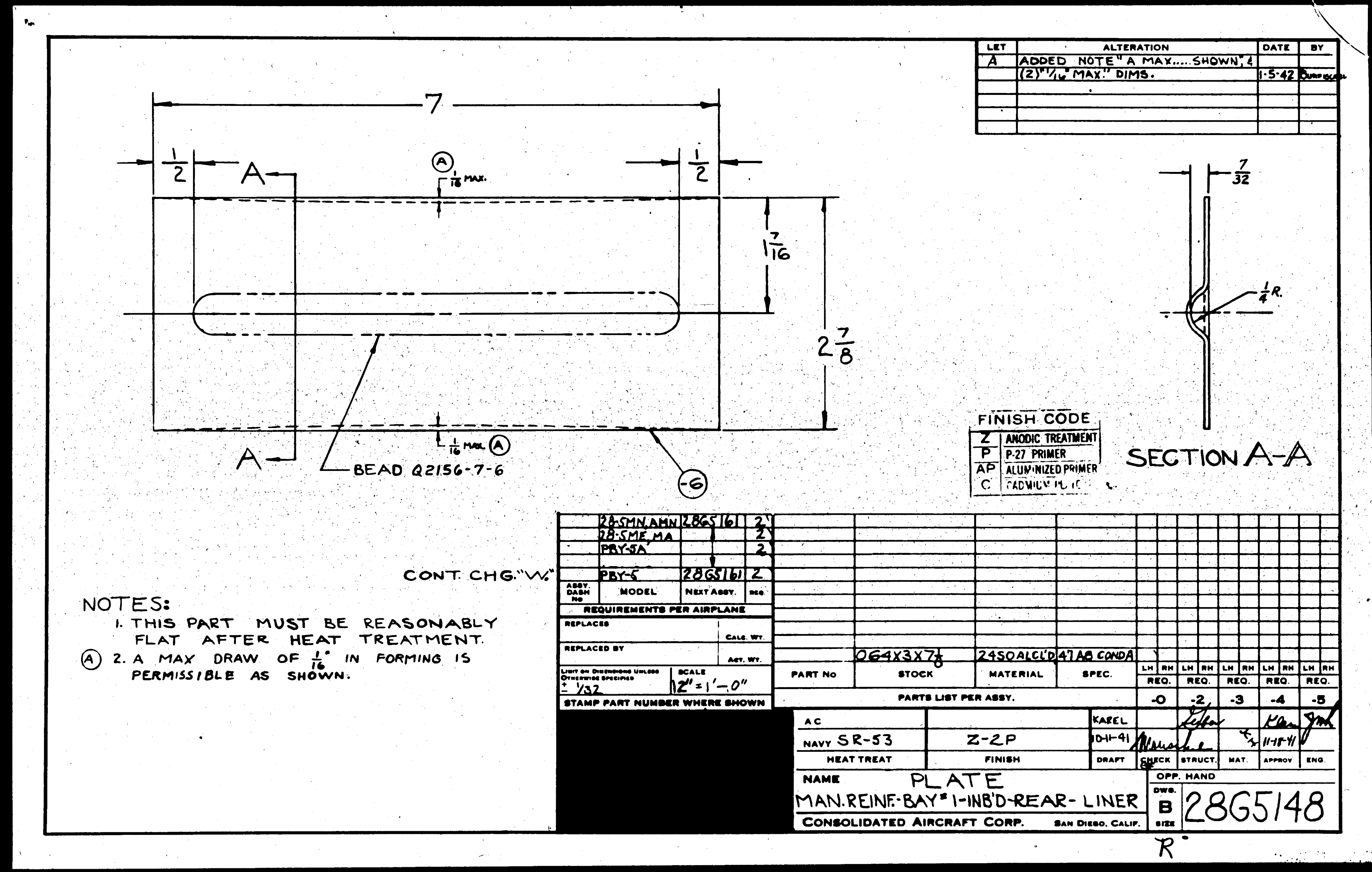
DRAFT: HILL 9-15-41 | CHECK: KAREL | STRUCT. | MAT: MEG | APPROV | ENG

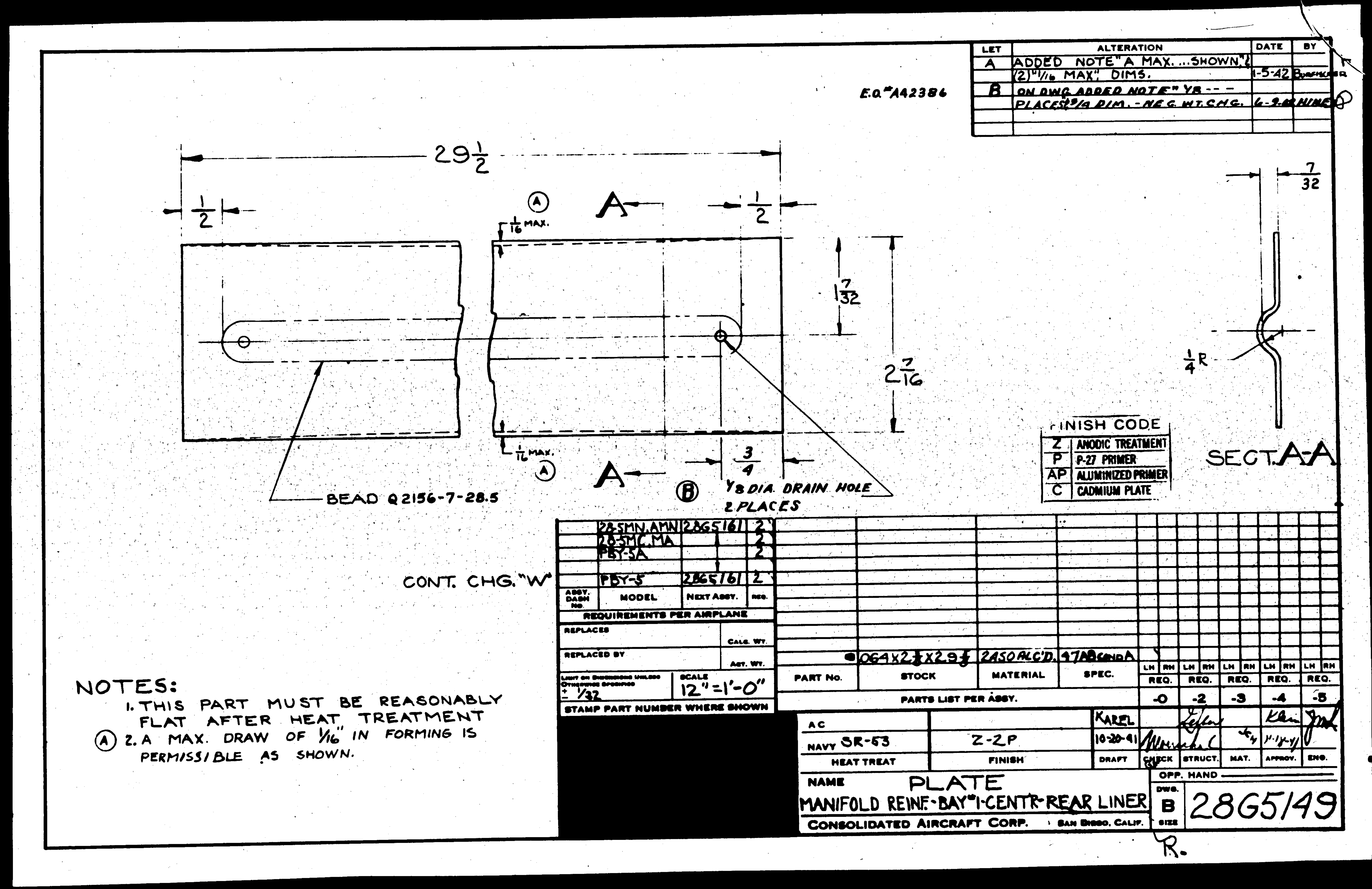
OPP. HAND

NAME: PLATE — FUEL TANK CAPACITY CHART

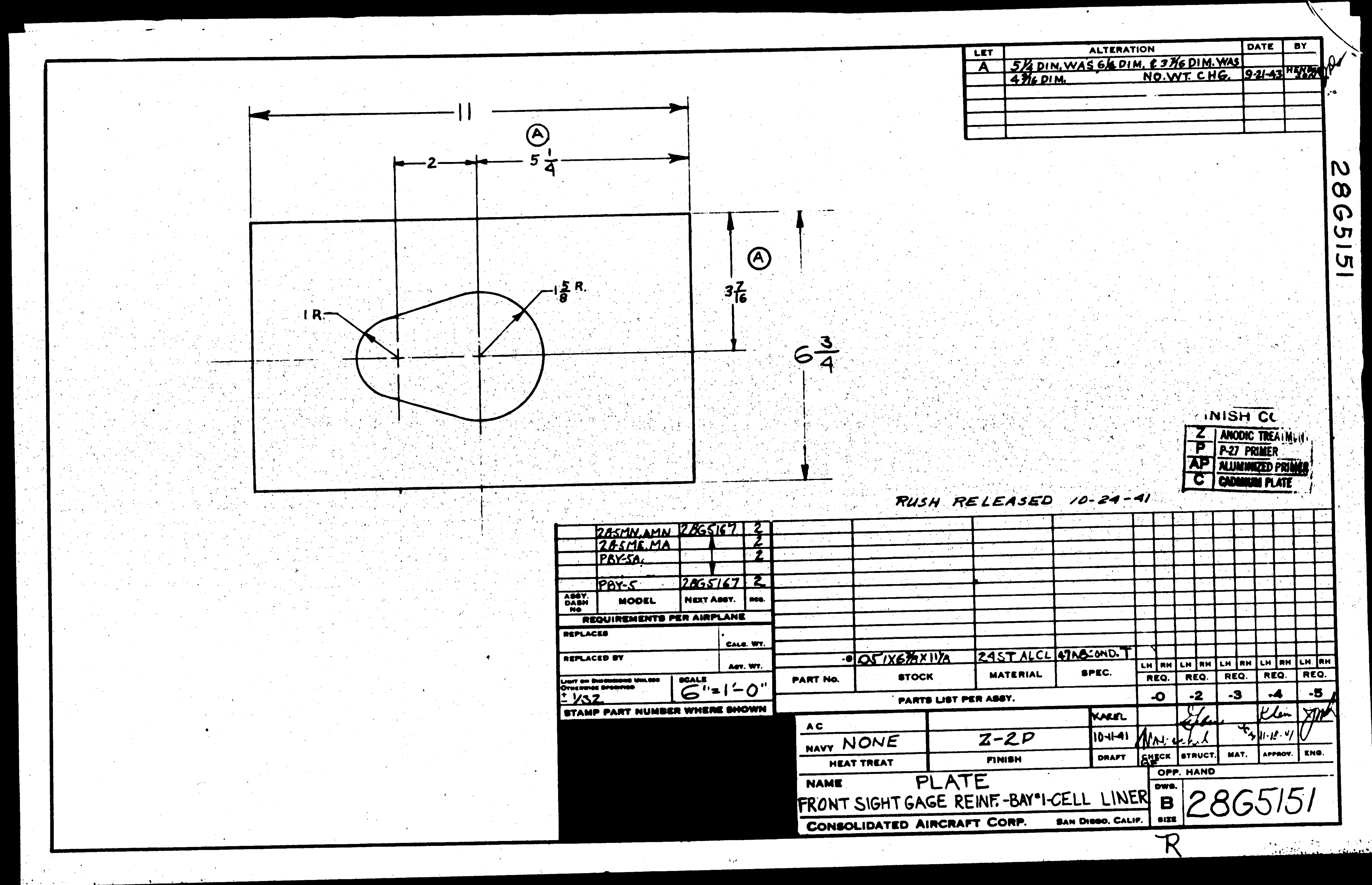
DWG. B SIZE 28G5144

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

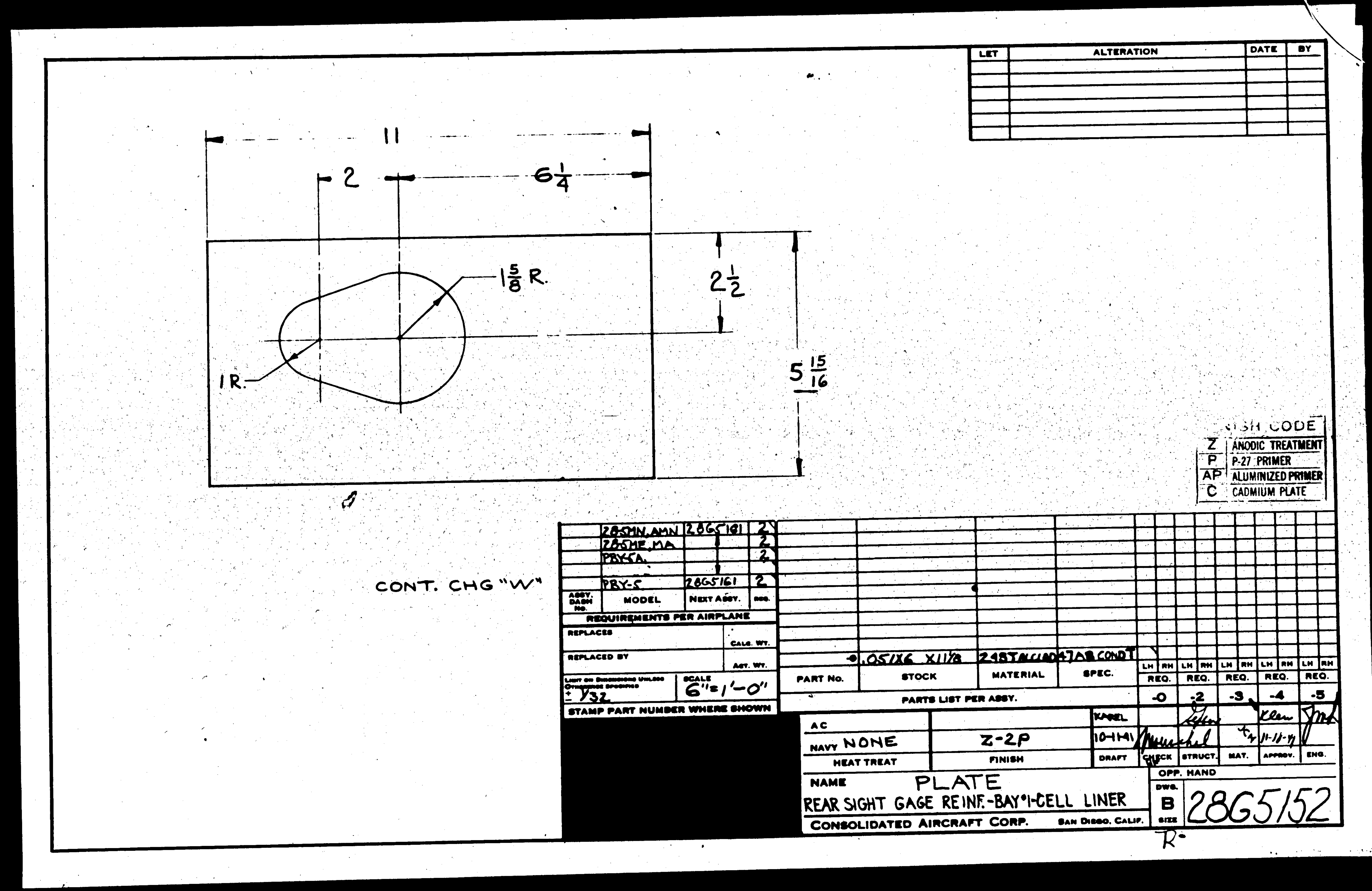

LET | ALTERATION | DATE | BY
A | ADDED NOTE "A MAX.....SHOWN", & (2) "1/16" MAX." DIMS. | 1-5-42
7
1/2
A
Ⓐ 1/16 MAX.
1 7/16
2 7/8
1/16 MAX. Ⓐ
A
BEAD Q2156-7-6
-6
7/32
1/4 R.
SECTION A-A
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
CONT. CHG. "W."
NOTES:
1. THIS PART MUST BE REASONABLY FLAT AFTER HEAT TREATMENT.
Ⓐ 2. A MAX DRAW OF 1/16" IN FORMING IS PERMISSIBLE AS SHOWN.
28-5MN, AMN 28G5161 2
28-5ME, MA 2
PBY-5A 2
PBY-5 28G5161 2
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.064X3X7 1/8 | 24SO ALCL'D | 47A8 COND A
PART NO. | STOCK | MATERIAL | SPEC.
PARTS LIST PER ASSY.
LH RH REQ. -0 | -2 | -3 | -4 | -5
AC
NAVY SR-53
HEAT TREAT
Z-2P
FINISH
KAREL 10-11-41
DRAFT | CHECK | STRUCT. | MAT. | APPROV | ENG.
11-18-41
OPP. HAND
NAME PLATE
MAN. REINF.-BAY #1-INB'D-REAR-LINER
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
DWG. SIZE B
28G5148
R



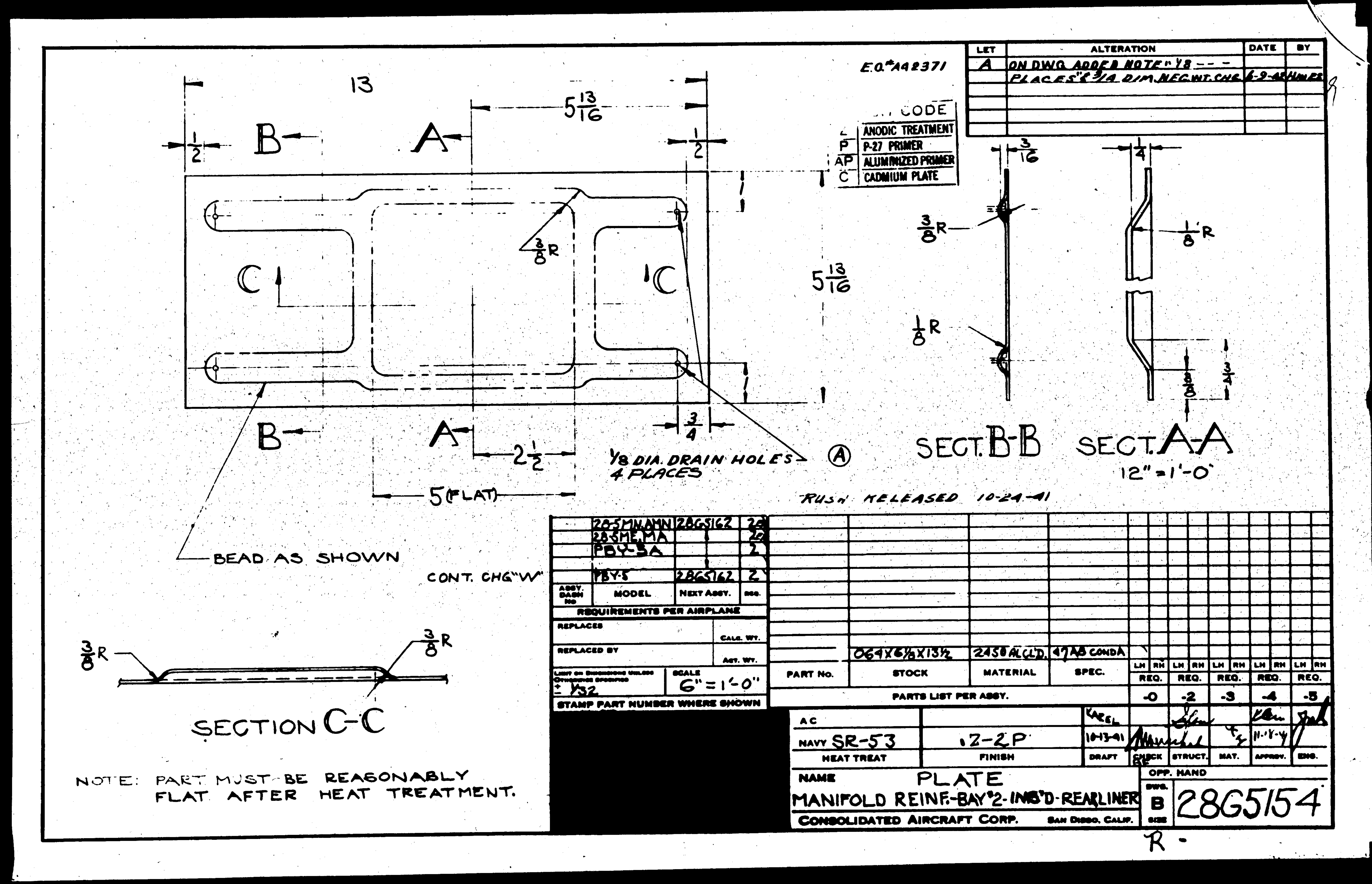
LET
ALTERATION
DATE
BY
A
ADDED NOTE "A MAX. ...SHOWN" & (2) "1/16 MAX" DIMS.
1-5-42
B
ON DWG ADDED NOTE "1/8 - - - PLACES" 3/4 DIM. - NEG. WT. CHG.
E.O. #A42386
29 1/2
1/2
1/2
A
A
1/16 MAX.
1/16 MAX.
1 7/32
2 7/16
3/4
7/32
1/4 R
1/8 DIA. DRAIN HOLE 2 PLACES
BEAD Q2156-7-28.5
SECT. A-A
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
CONT. CHG. "W"
28-5MN, AMN 28G5161 2
28-5MC, MA 2
PBY-5A 2
PBY-5 28G5161 2
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.064 X 2 1/2 X 29 1/2
24SO ALC'D.
47AB Cond A
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ.
PARTS LIST PER ASSY.
-0
-2
-3
-4
-5
AC
NAVY SR-53
HEAT TREAT
Z-2P
FINISH
KAREL
10-20-41
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
OPP. HAND
NAME
PLATE
MANIFOLD REINF.-BAY #1-CENTR-REAR LINER
DWG. SIZE B
28G5149
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
NOTES:
1. THIS PART MUST BE REASONABLY FLAT AFTER HEAT TREATMENT
(A) 2. A MAX. DRAW OF 1/16" IN FORMING IS PERMISSIBLE AS SHOWN.



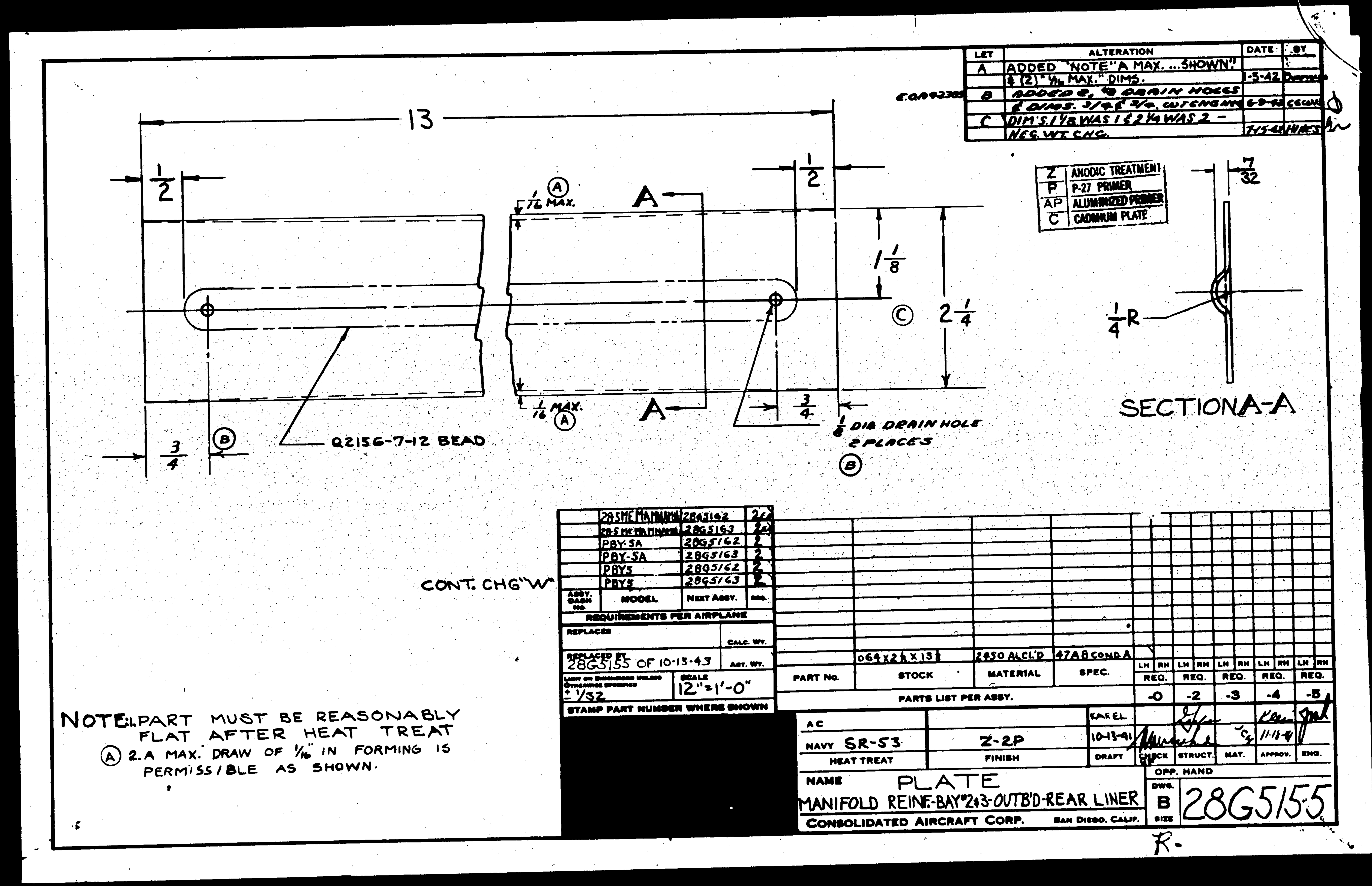
LET
ALTERATION
DATE
BY
A
5 1/4 DIM. WAS 6 1/4 DIM. & 3 7/16 DIM. WAS 4 3/16 DIM.
NO. WT. CHG.
9-21-43
11
2
5 1/4
A
3 7/16
6 3/4
1 R.
1 5/8 R.
28G5151
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
RUSH RELEASED 10-24-41
28-5MN, AMN 28G5167 2
28-5ME, MA 2
PBY-5A 2
PBY-5 28G5167 2
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
-0 .051 X 6 3/4 X 11 1/8 24ST ALCL COND. T
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ. -0
LH RH REQ. -2
LH RH REQ. -3
LH RH REQ. -4
LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY NONE
HEAT TREAT
Z-2P
FINISH
KAREL
10-11-41
11-18-41
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
OPP. HAND
NAME PLATE
FRONT SIGHT GAGE REINF.-BAY 1-CELL LINER
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
DWG. SIZE B
28G5151
R



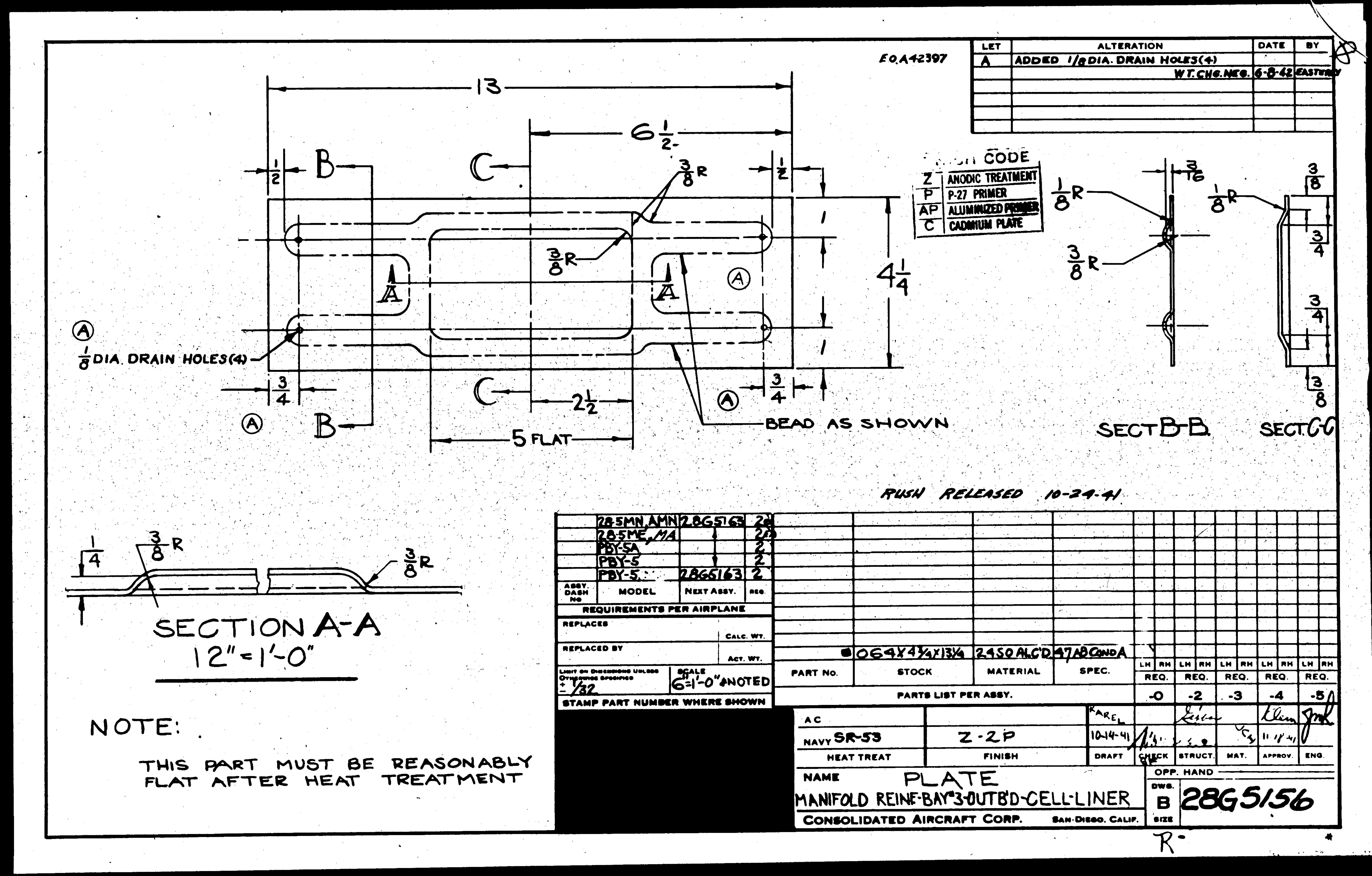
LET
ALTERATION
DATE
BY
11
2
6 1/4
1 5/8 R.
2 1/2
5 15/16
1 R.
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
CONT. CHG "W"
28-5MN, AMN 28G5161 2
28-5ME, MA 2
PBY-5A 2
PBY-5 28G5161 2
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/32
SCALE
6"=1'-0"
STAMP PART NUMBER WHERE SHOWN
-0 .051X6 X11 1/8 24ST ALCLAD 47AB COND T
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
-0 -2 -3 -4 -5
PARTS LIST PER ASSY.
AC
NAVY NONE
HEAT TREAT
Z-2P
FINISH
KARNEL
10-14-41
DRAFT
CHECK
STRUCT.
MAT.
11-11-41
APPROV.
ENG.
OPP. HAND
NAME PLATE
REAR SIGHT GAGE REINF.-BAY 1-CELL LINER
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
DWG. B SIZE
28G5152
R



E.O.#A42371
LET | ALTERATION | DATE | BY
A | ON DWG ADDED NOTE "1/8 --- PLACES" & 3/4 DIM. NEG. WT. CHG.
CODE
ANODIC TREATMENT
P | P-27 PRIMER
AP | ALUMINIZED PRIMER
C | CADMIUM PLATE
13
5 13/16
1/2
B
A
C
3/8 R
5 13/16
3/4
2 1/2
5 (FLAT)
1/8 DIA. DRAIN HOLES 4 PLACES
A
BEAD AS SHOWN
3/16
1/4
1/8 R
3/8
3/4
SECT. B-B
SECT. A-A
12" = 1'-0"
RUSH RELEASED 10-24-41
CONT. CHG "W"
28-5MN.AMN | 28G5162 | 2
28-5ME.MA | 2
PBY-5A | 2
PBY-5 | 28G5162 | 2
ASSY. DASH No. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES | CALC. WT.
REPLACED BY | ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.064 X 6 1/2 X 13 1/2 | 24S-T ALCL'D. | 47A8 CONDA
PART No. | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 -2 -3 -4 -5
PARTS LIST PER ASSY.
3/8 R
SECTION C-C
NOTE: PART MUST BE REASONABLY FLAT AFTER HEAT TREATMENT.
A C
NAVY SR-53 | .Z-2P
HEAT TREAT | FINISH
10-13-41 | 11-14-41
DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
OPP. HAND
NAME PLATE
MANIFOLD REINF.-BAY 2-INB'D-REAR LINER
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
DWG. SIZE B
28G5154
R-



LET | ALTERATION | DATE | BY
A | ADDED "NOTE" A MAX. ...SHOWN" & (2) "1/16 MAX." DIMS. | 1-5-42
B | ADDED 2, 1/8 DRAIN HOLES & DIMS. 3/4 & 3/4, WT ENG
C | DIM'S. 1 1/8 WAS 1 & 2 1/4 WAS 2 - NEG. WT. CHG. | 7-15-42
13
1/2
1/16 MAX.
A
1 1/8
2 1/4
1/4 R
7/32
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
SECTION A-A
3/4
Q2156-7-12 BEAD
1/8 DIA DRAIN HOLE 2 PLACES
CONT. CHG "W"
28-5 MC MA MINAUM | 28G5162 | 2
28-5 MC MA MINAUM | 28G5163 | 2
PBY-5A | 28G5162 | 2
PBY-5A | 28G5163 | 2
PBY5 | 28G5162 | 2
PBY5 | 28G5163 | 2
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY 28G5155 OF 10-13-43
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.064 X 2 1/4 X 13 1/4 | 24SO ALCL'D | 47A8 COND A
PART No. | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 -2 -3 -4 -5
PARTS LIST PER ASSY.
NOTE: 1. PART MUST BE REASONABLY FLAT AFTER HEAT TREAT
(A) 2. A MAX. DRAW OF 1/16" IN FORMING IS PERMISSIBLE AS SHOWN.
AC
NAVY SR-53
HEAT TREAT
Z-2P
FINISH
KAREL 10-13-41
DRAFT CHECK STRUCT. MAT. APPROV. ENG.
11-18-41
OPP. HAND
NAME PLATE
MANIFOLD REINF.-BAY "2 & 3"-OUTB'D-REAR LINER
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
DWG. SIZE B
28G5155
R-



LET	ALTERATION	DATE	BY
A	ADDED 1/8 DIA. DRAIN HOLES(4) WT. CHG. NEG.	6-8-42	EASTERDAY

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY. DASH No	MODEL	NEXT ASSY.	REQ.
	28-5MN, AMN	28G5163	2
	28-5ME, MA		2
	PBY-5A		2
	PBY-5		2
	PBY-5	28G5163	2

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'-0" & NOTED

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.
	.064 X 4 3/4 X 13 3/4	24SO ALC'D	47A8 COND A

PARTS LIST PER ASSY. — LH/RH REQ.: -0, -2, -3, -4, -5

AC						
NAVY SR-53	Z-2P	KAREL 10-14-41			11-17-41	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV. / ENG.

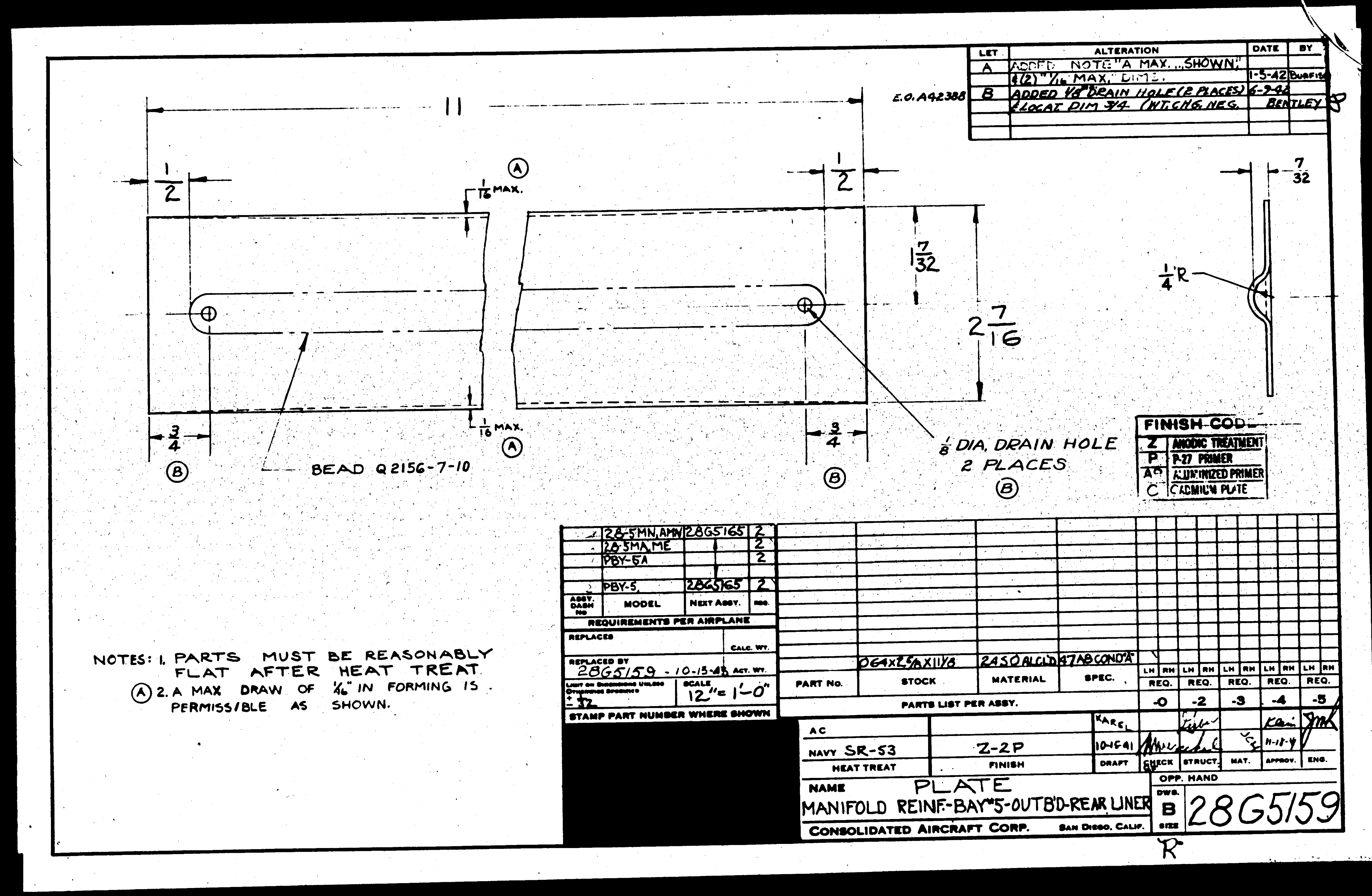
NAME: PLATE — MANIFOLD REINF-BAY#3-OUTB'D-CELL-LINER

OPP. HAND

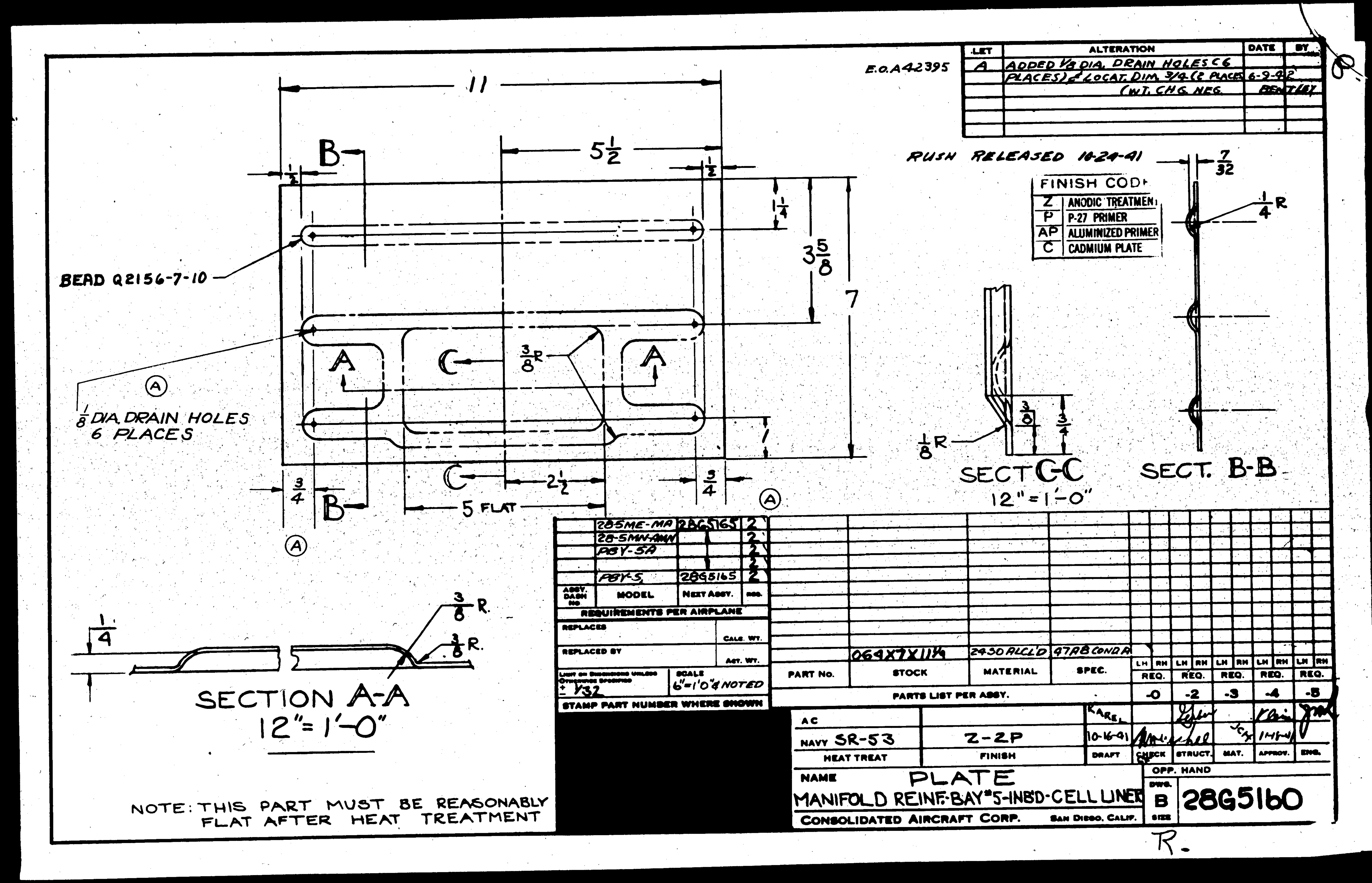
DWG. SIZE B — 28G5156

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

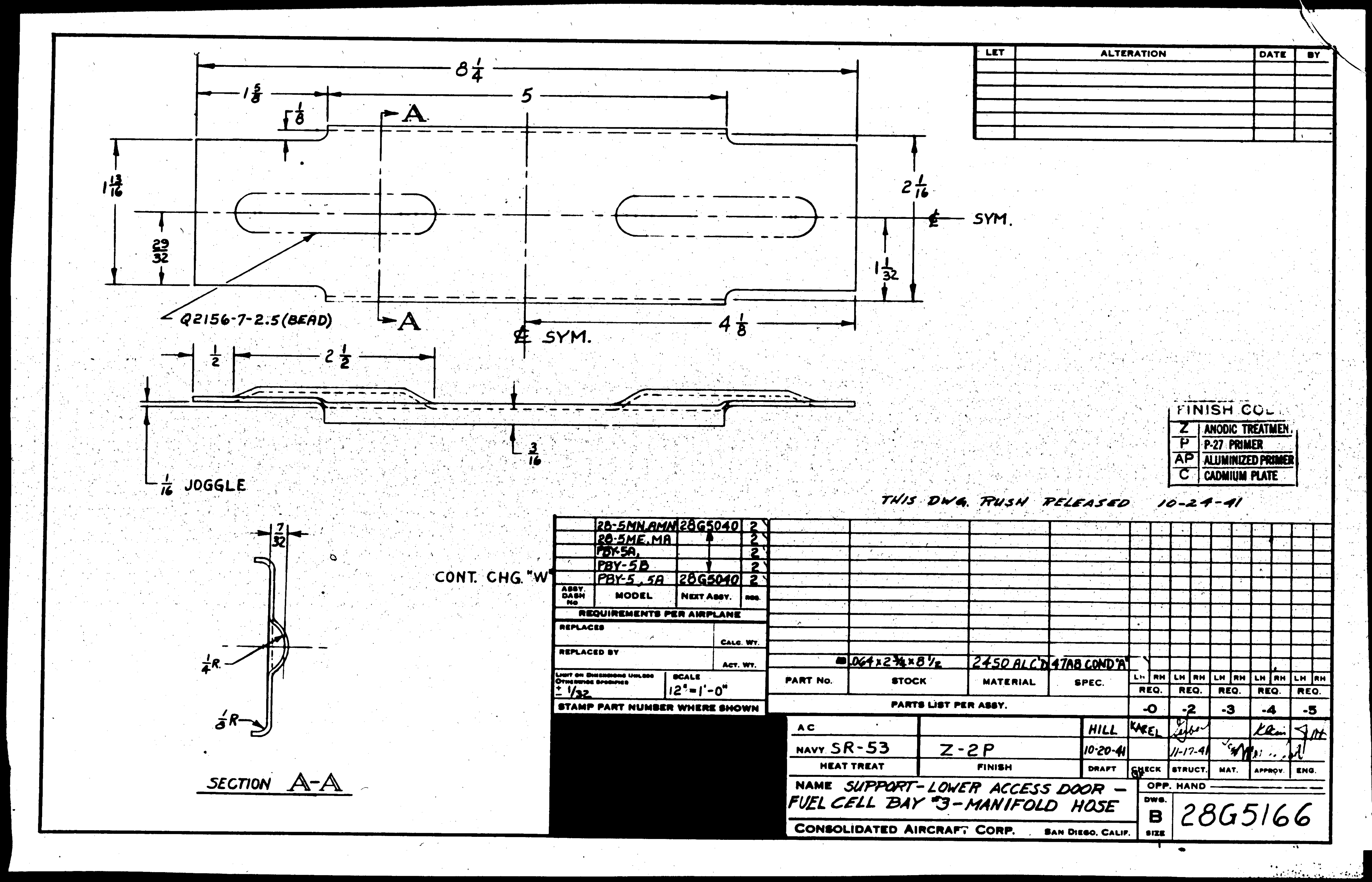
R-



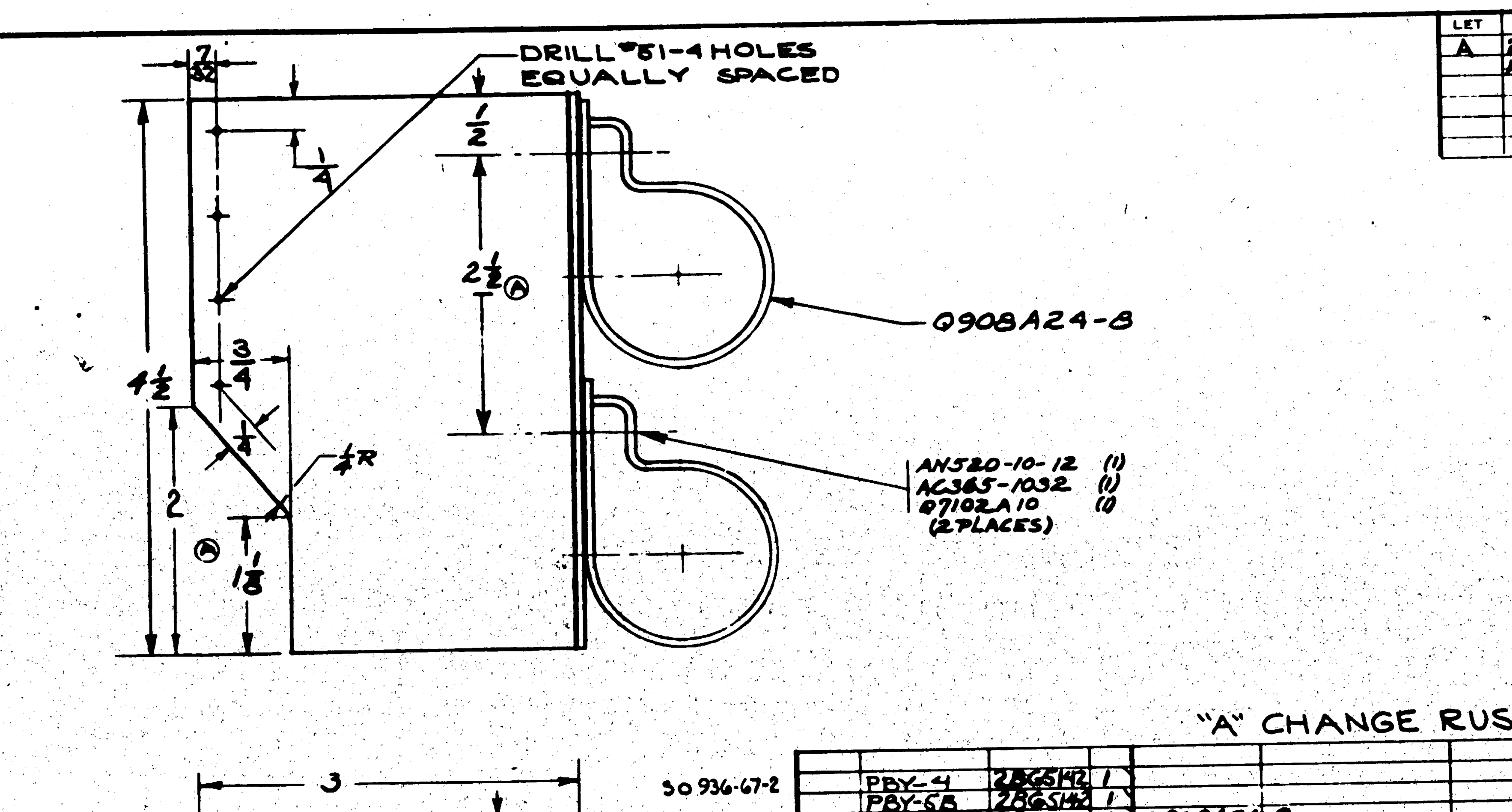
LET | ALTERATION | DATE | BY
A | ADDED NOTE "A MAX. ..SHOWN," & (2) "1/16 MAX." DIMS. | 1-5-42
B | ADDED 1/8" DRAIN HOLE (2 PLACES) & LOCAT DIM 3/4 (WT. CHG. NEG. | 6-9-42 | BENTLEY
E.O. A42388
11
1/2
1/16 MAX.
1 7/32
2 7/16
7/32
1/4 R
3/4
BEAD Q2156-7-10
1/8 DIA. DRAIN HOLE 2 PLACES
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
28-5MN, AMN | 28G5165 | 2
28-5MA, ME | 2
PBY-5A | 2
PBY-5 | 28G5165 | 2
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY 28G5159 - 10-13-43
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.064 X 2 5/8 X 11 1/8 | 24SO ALCLD | 47AB COND "A"
PART No. | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 -2 -3 -4 -5
PARTS LIST PER ASSY.
NOTES: 1. PARTS MUST BE REASONABLY FLAT AFTER HEAT TREAT
(A) 2. A MAX DRAW OF 1/16" IN FORMING IS PERMISSIBLE AS SHOWN.
AC
NAVY SR-53
HEAT TREAT
Z-2P
FINISH
KAREL
10-15-41
DRAFT CHECK STRUCT. MAT. APPROV. ENG.
11-18-41
NAME PLATE
MANIFOLD REINF.-BAY #5-OUTB'D-REAR LINER
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP. HAND
DWG. SIZE B
28G5159
R



LET | ALTERATION | DATE | BY
A | ADDED 1/8 DIA. DRAIN HOLES (6 PLACES) & LOCAT. DIM. 3/4 (2 PLACES) (WT. CHG. NEG. | 6-9-42 | BENTLEY
E.O. A42395
RUSH RELEASED 10-24-41
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
11
5 1/2
1/2
1 1/4
3 5/8
7
BEAD Q2156-7-10
1/8 DIA. DRAIN HOLES 6 PLACES
3/8 R
2 1/2
5 FLAT
3/4
1
1/8 R
3/8
3/4
7/32
1/4 R
SECT C-C 12" = 1'-0"
SECT. B-B
1/4
3/8 R.
1/8 R.
SECTION A-A 12" = 1'-0"
NOTE: THIS PART MUST BE REASONABLY FLAT AFTER HEAT TREATMENT
28-5ME-MA 28G5165 2
28-5MN-AMN 2
PBY-5A 2
PBY-5 28G5165 2
ASSY. DASH NO. MODEL NEXT ASSY. REQ.
REQUIREMENTS PER AIRPLANE
REPLACES CALC. WT.
REPLACED BY ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 6"=1'0" & NOTED
STAMP PART NUMBER WHERE SHOWN
.064X7X11 1/4 | 24S0 ALCL'D | 97AB COND A
PART No. STOCK MATERIAL SPEC.
LH RH REQ. -0 -2 -3 -4 -5
PARTS LIST PER ASSY.
AC
NAVY SR-53 | Z-2P
HEAT TREAT | FINISH
KAREL 10-16-41
DRAFT CHECK STRUCT. MAT. APPROV. ENG.
OPP. HAND
NAME PLATE
MANIFOLD REINF.-BAY #5-INB'D-CELL LINER
DWG. B SIZE 28G5160
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R.



LET
ALTERATION
DATE
BY
8 1/4
1 5/8
5
1/8
A
1 13/16
29/32
2 1/16
℄ SYM.
1 1/32
Q2156-7-2.5(BEAD)
A
4 1/8
℄ SYM.
1/2
2 1/2
3/16
1/16 JOGGLE
FINISH COD
Z ANODIC TREATMEN
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
THIS DWG. RUSH RELEASED 10-24-41
7/32
CONT. CHG. "W"
1/4 R.
1/8 R.
SECTION A-A
28-5MN,AMN 28G5040 2
28-5ME,MA 2
PBY-5A, 2
PBY-5B 2
PBY-5, 5A 28G5040 2
ASSY. DASH No
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.064 x 2 3/4 x 8 1/2
24SO ALC'D
47A8 COND "A"
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
-0 -2 -3 -4 -5
PARTS LIST PER ASSY.
AC
NAVY SR-53
HEAT TREAT
Z-2P
FINISH
HILL
10-20-41
DRAFT
KAREL
CHECK
11-17-41
STRUCT.
MAT.
APPROV.
ENG.
NAME SUPPORT-LOWER ACCESS DOOR - FUEL CELL BAY #3-MANIFOLD HOSE
OPP. HAND
DWG. B SIZE
28G5166
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



3
3/8
3/4
5/32 R
SO 936-67-2
DRILL #10 (.193)
2 HOLES
(-6)

LET	ALTERATION	DATE	BY
A	2 1/2 WAS 2 1/4, 1 1/8 WAS 1 1/4, ADD 2" DIM. ADD #51 HOLES	12-3-41	KAREL

FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

"A" CHANGE RUSH RELEASED

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ
	PBY-4	28G5142	1
	PBY-5B	28G5142	1
	PBY-5A	28G5142	1
	PBY-5	28G5142	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12"=1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
Q908A24-8				2				
Q7102A10				2				
AN520-10-12				2				
AC365-1032				2				
-6	.072x3 1/4x4 5/8	24ST ALC	47A8 COND.T	1				

PARTS LIST PER ASSY.

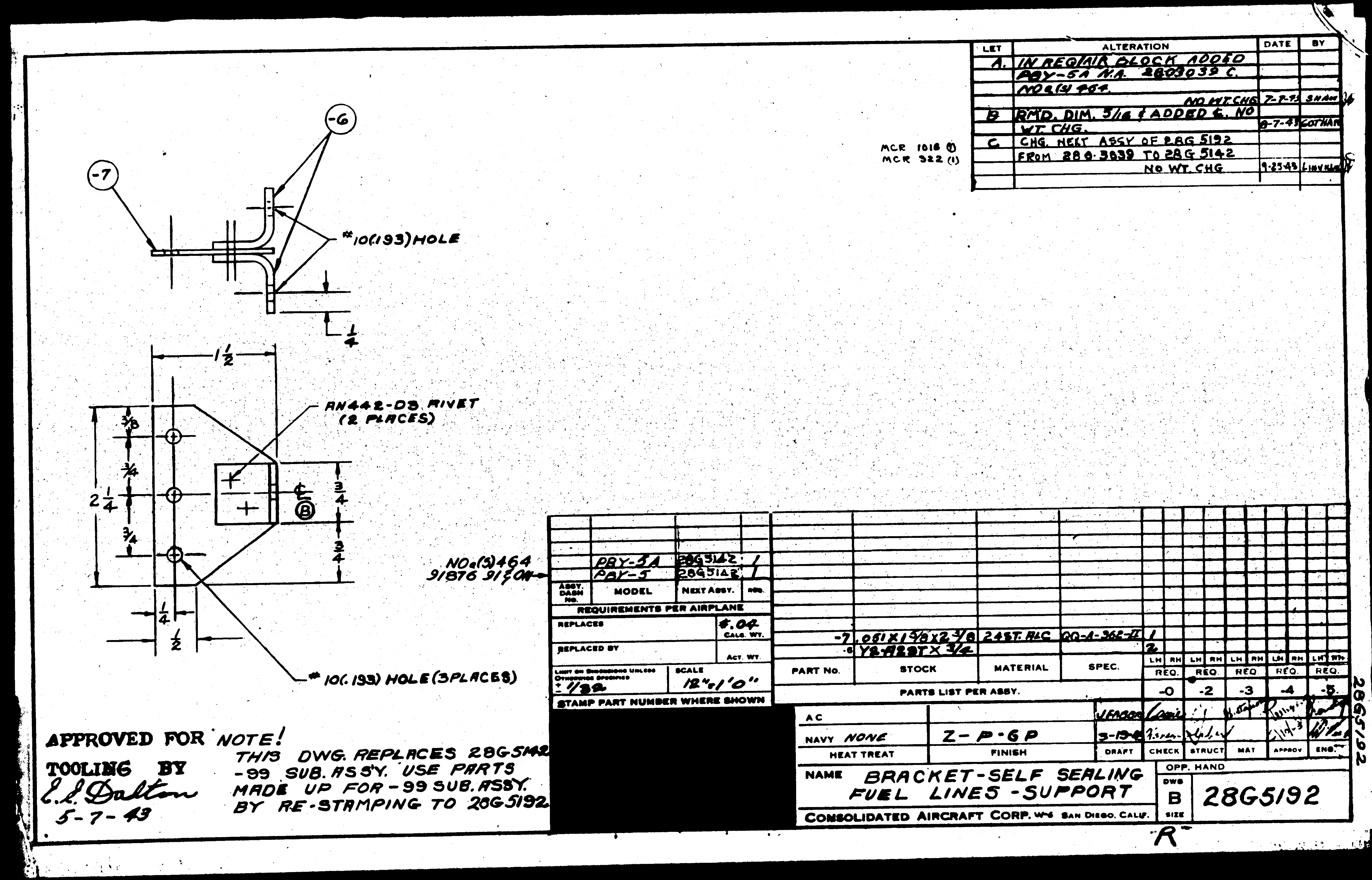
AC		DRAFT	CHECK	STRUCT.	MAT	APPROV	ENG
NAVY NONE	Z-P-2AP.	Voymas 11-26-41	KAREL	11-28-41	J.F.R.	Klein	
HEAT TREAT	FINISH						

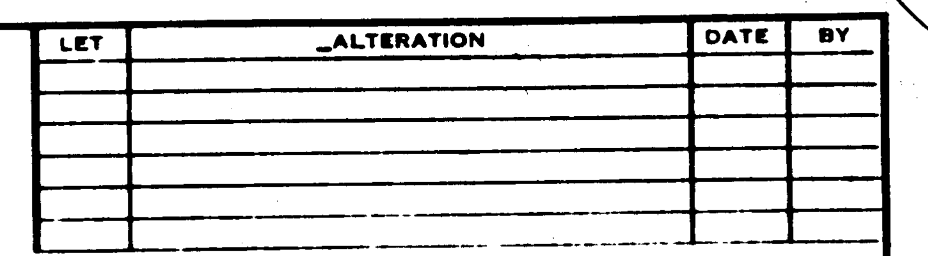
NAME SUPPORT ASSY. - SELF SEALING FUEL LINE - R.H. NAC. - INB'D.

OPP. HAND

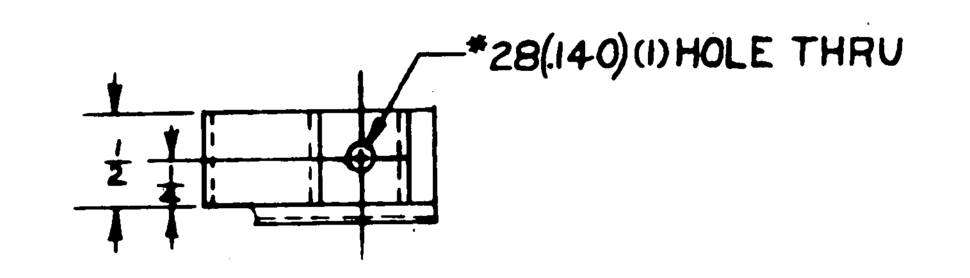
DWG. SIZE B 28G5181

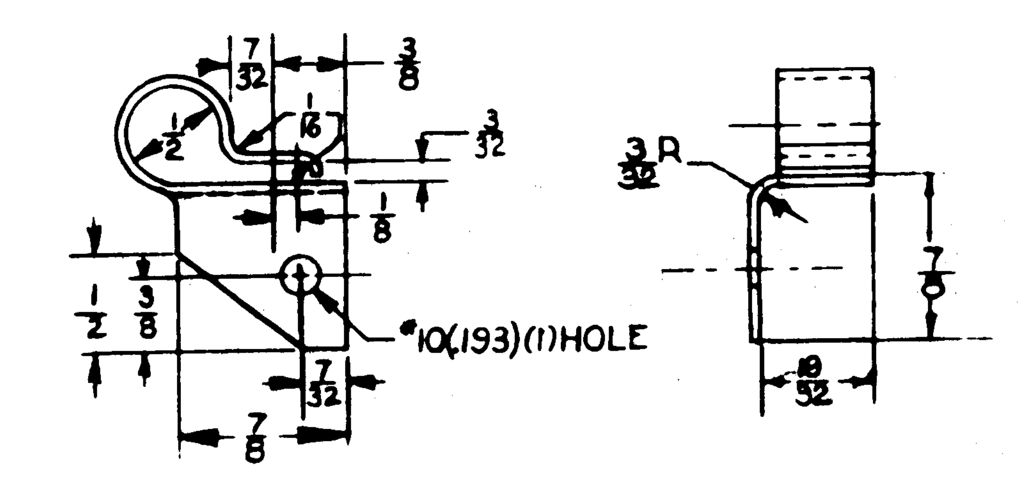
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.


LET | ALTERATION | DATE | BY
A. IN REQ. AIR BLOCK ADDED PBY-5A N.A. 28O3039 C. NOa(S)464. NO WT. CHG 7-7-43 SHAW
B RMD. DIM. 5/16 & ADDED ℄. NO WT. CHG. 8-7-43 GOTHAM
C. CHG. NEXT ASSY OF 28G5192 FROM 28O-3039 TO 28G5142 NO WT. CHG 9-23-43
MCR 1016 (1)
MCR 322 (1)
-6
-7
#10(.193) HOLE
1/4
1 1/2
AN442-D3 RIVET (2 PLACES)
3/8
3/4
2 1/4
℄ B
3/4
3/4
1/4
1/2
#10(.193) HOLE (3 PLACES)
NOa(S)464
91876 91 & ON
PBY-5A 28G5142 1
PBY-5 28G5142 1
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
#.04 CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12"=1'0"
STAMP PART NUMBER WHERE SHOWN
-7 .051X1 5/8X2 3/8 24ST. ALC QQ-A-362-II 1
-6 Y8-A29T X 3/4 2
PART No. | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY NONE
Z-P-6P
HEAT TREAT
FINISH
3-13-43
DRAFT | CHECK | STRUCT | MAT | APPROV | ENG.
OPP. HAND
NAME BRACKET-SELF SEALING FUEL LINES-SUPPORT
DWG B SIZE
28G5192
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
APPROVED FOR TOOLING BY
E. L. Dalton
5-7-43
NOTE!
THIS DWG. REPLACES 28G5142 -99 SUB. ASS'Y. USE PARTS MADE UP FOR -99 SUB. ASSY. BY RE-STAMPING TO 28G5192.
28G5192
R



LET	ALTERATION	DATE	BY





NOTE
MAY BE MADE FROM
Q925-A8L & Q925-A8R

ASSY DASH NO	MODEL	NEXT ASSY.	REQ.
-R	PBY-5A	28G5054	1
-L	PBY-5A	28G5054	1
-R	PBY-5	28G5054	1
-L	PBY-5	28G5054	1

REQUIREMENTS PER AIRPLANE

REPLACES — .0083 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 REQ. (LH / RH)	-2 REQ. (LH / RH)	-3 REQ. (LH / RH)	-4 REQ. (LH / RH)	-5 REQ. (LH / RH)
	.040 X 1½ X 3	ALCLAD	QQ-A-362-I					

PARTS LIST PER ASSY.

A C		NICKERSON	L. WENGER				
NAVY NONE	NONE	5-14-43	6-22-43			6-24-43	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

OPP. HAND 28G5193-R

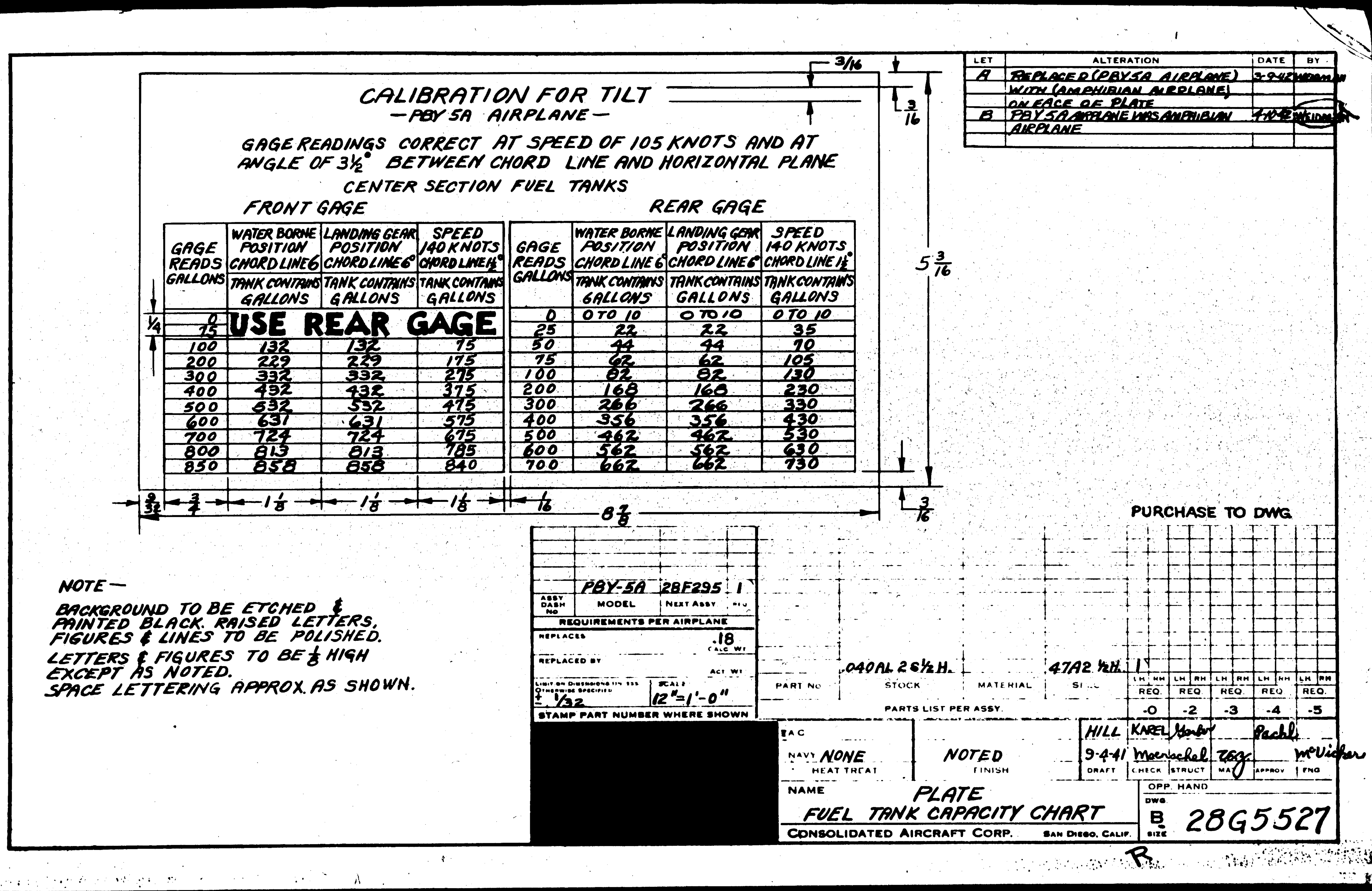
NAME CLIP-PURGING SYSTEM-CENTER SECTION WING

DWG. SIZE B — 28G5193

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

28G5193

RODERICK · R



LET	ALTERATION	DATE	BY
A	REPLACED (PBY5A AIRPLANE) WITH (AMPHIBIAN AIRPLANE) ON FACE OF PLATE	3-9-42	[illegible]
B	PBY5A AIRPLANE WAS AMPHIBIAN AIRPLANE	4-10-42	[illegible]

CALIBRATION FOR TILT
— PBY 5A AIRPLANE —

GAGE READINGS CORRECT AT SPEED OF 105 KNOTS AND AT ANGLE OF 3½° BETWEEN CHORD LINE AND HORIZONTAL PLANE

CENTER SECTION FUEL TANKS

FRONT GAGE

GAGE READS GALLONS	WATER BORNE POSITION CHORD LINE 6° — TANK CONTAINS GALLONS	LANDING GEAR POSITION CHORD LINE 6° — TANK CONTAINS GALLONS	SPEED 140 KNOTS CHORD LINE 1½° — TANK CONTAINS GALLONS
0	USE REAR GAGE		
75			
100	132	132	75
200	229	229	175
300	332	332	275
400	432	432	375
500	532	532	475
600	631	631	575
700	724	724	675
800	813	813	785
850	858	858	840

REAR GAGE

GAGE READS GALLONS	WATER BORNE POSITION CHORD LINE 6° — TANK CONTAINS GALLONS	LANDING GEAR POSITION CHORD LINE 6° — TANK CONTAINS GALLONS	SPEED 140 KNOTS CHORD LINE 1½° — TANK CONTAINS GALLONS
0	0 TO 10	0 TO 10	0 TO 10
25	22	22	35
50	44	44	70
75	62	62	105
100	82	82	130
200	168	168	230
300	266	266	330
400	356	356	430
500	462	462	530
600	562	562	630
700	662	662	730

NOTE —

BACKGROUND TO BE ETCHED & PAINTED BLACK. RAISED LETTERS, FIGURES & LINES TO BE POLISHED.

LETTERS & FIGURES TO BE 1/8 HIGH EXCEPT AS NOTED.

SPACE LETTERING APPROX. AS SHOWN.

ASSY DASH NO	MODEL	NEXT ASSY	REQ
	PBY-5A	28F295	1

REQUIREMENTS PER AIRPLANE

REPLACES — .18 CALC WT

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PURCHASE TO DWG.

PART NO	STOCK	MATERIAL	SI[illegible]	REQ [illegible]
	.040 AL 2S ½ H.		47A2 ½ H.	1

PARTS LIST PER ASSY. — REQ. -0, REQ. -2, REQ. -3, REQ. -4, REQ. -5 (LH / RH)

NAVY NONE — HEAT TREAT

NOTED — FINISH

DRAFT: HILL 9-4-41 — CHECK: KAREL, Moerschel — STRUCT: Yoder — MAT: [illegible] — APPROV: Pachl — ENG: McVicker

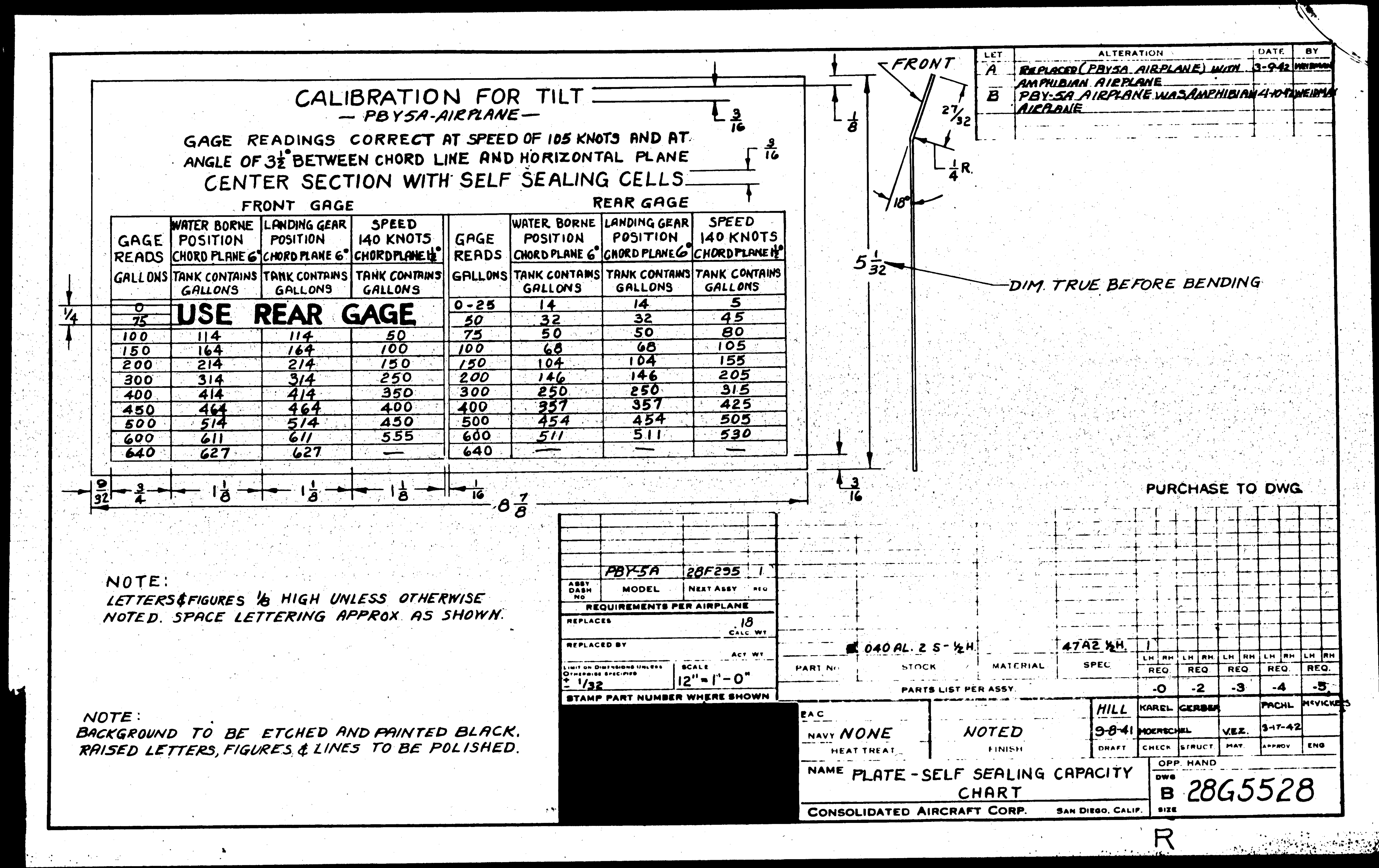
OPP. HAND

NAME: PLATE — FUEL TANK CAPACITY CHART

DWG. B SIZE 28G5527

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R



CALIBRATION FOR TILT
— PBY5A-AIRPLANE —

GAGE READINGS CORRECT AT SPEED OF 105 KNOTS AND AT ANGLE OF $3\frac{1}{2}°$ BETWEEN CHORD LINE AND HORIZONTAL PLANE

CENTER SECTION WITH SELF SEALING CELLS

FRONT GAGE

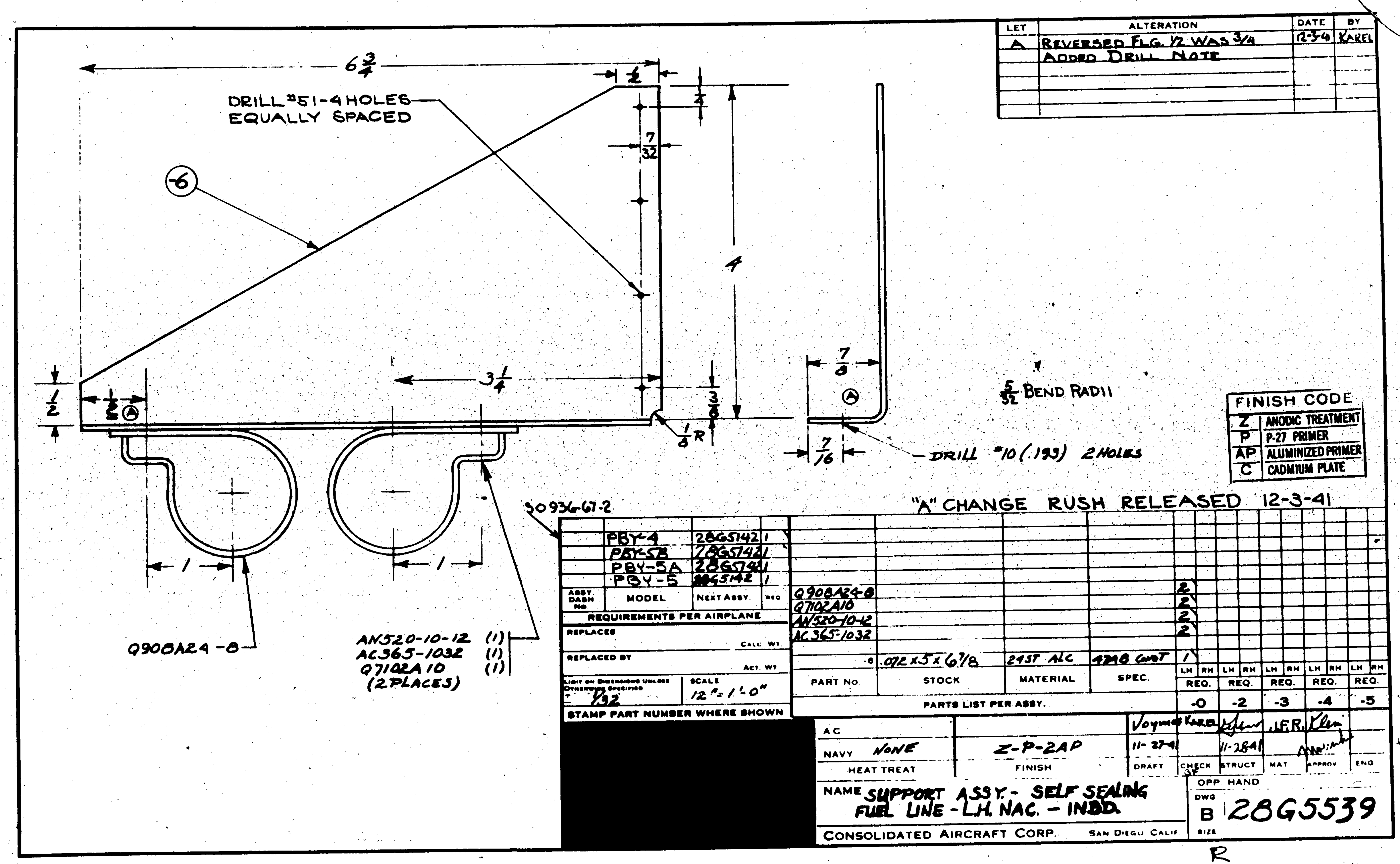
GAGE READS GALLONS	WATER BORNE POSITION CHORD PLANE 6° TANK CONTAINS GALLONS	LANDING GEAR POSITION CHORD PLANE 6° TANK CONTAINS GALLONS	SPEED 140 KNOTS CHORD PLANE 1½° TANK CONTAINS GALLONS
0	USE REAR GAGE		
75			
100	114	114	50
150	164	164	100
200	214	214	150
300	314	314	250
400	414	414	350
450	464	464	400
500	514	514	450
600	611	611	555
640	627	627	—

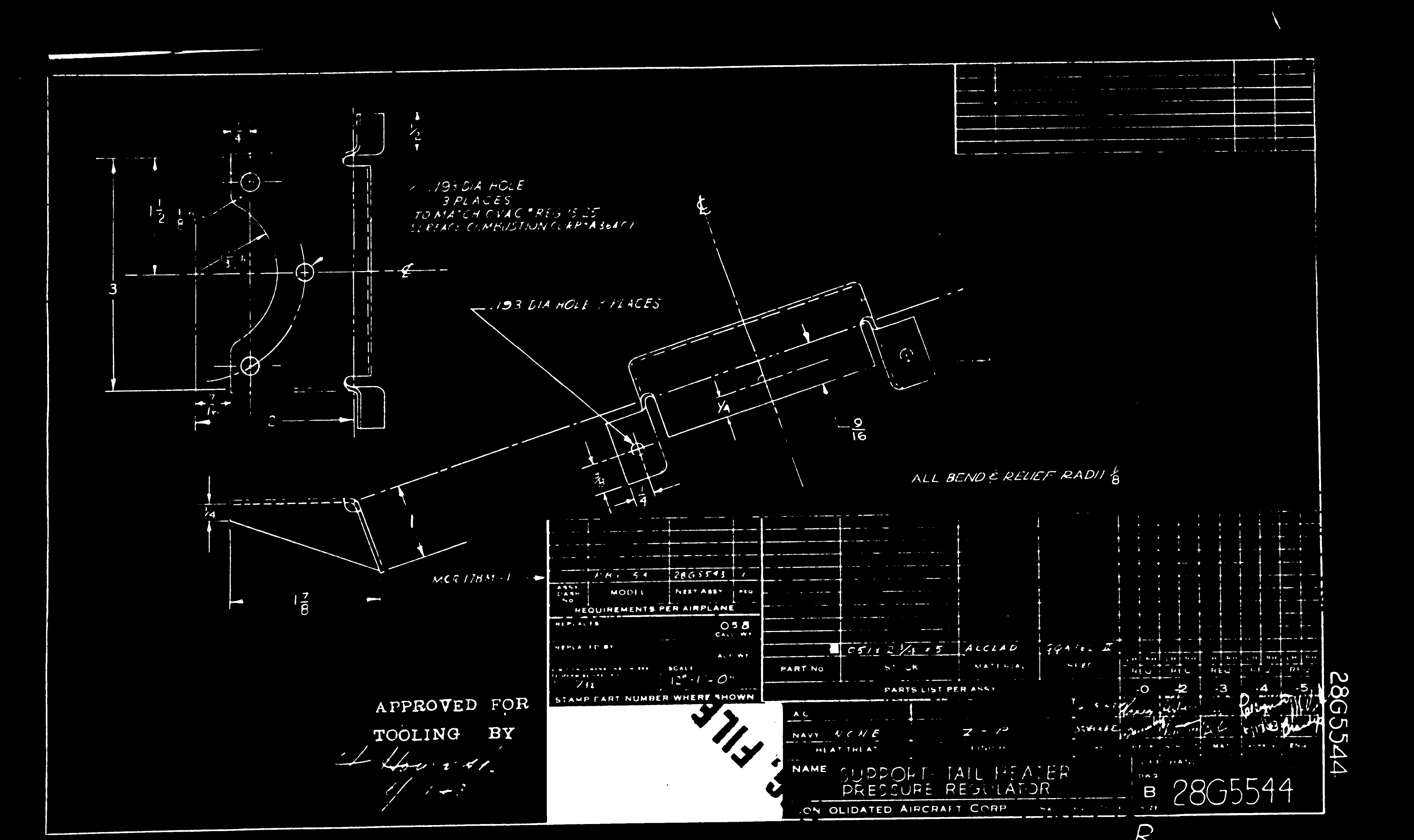
REAR GAGE

GAGE READS GALLONS	WATER BORNE POSITION CHORD PLANE 6° TANK CONTAINS GALLONS	LANDING GEAR POSITION CHORD PLANE 6° TANK CONTAINS GALLONS	SPEED 140 KNOTS CHORD PLANE 1½° TANK CONTAINS GALLONS
0-25	14	14	5
50	32	32	45
75	50	50	80
100	68	68	105
150	104	104	155
200	146	146	205
300	250	250	315
400	357	357	425
500	454	454	505
600	511	511	530
640	—	—	—

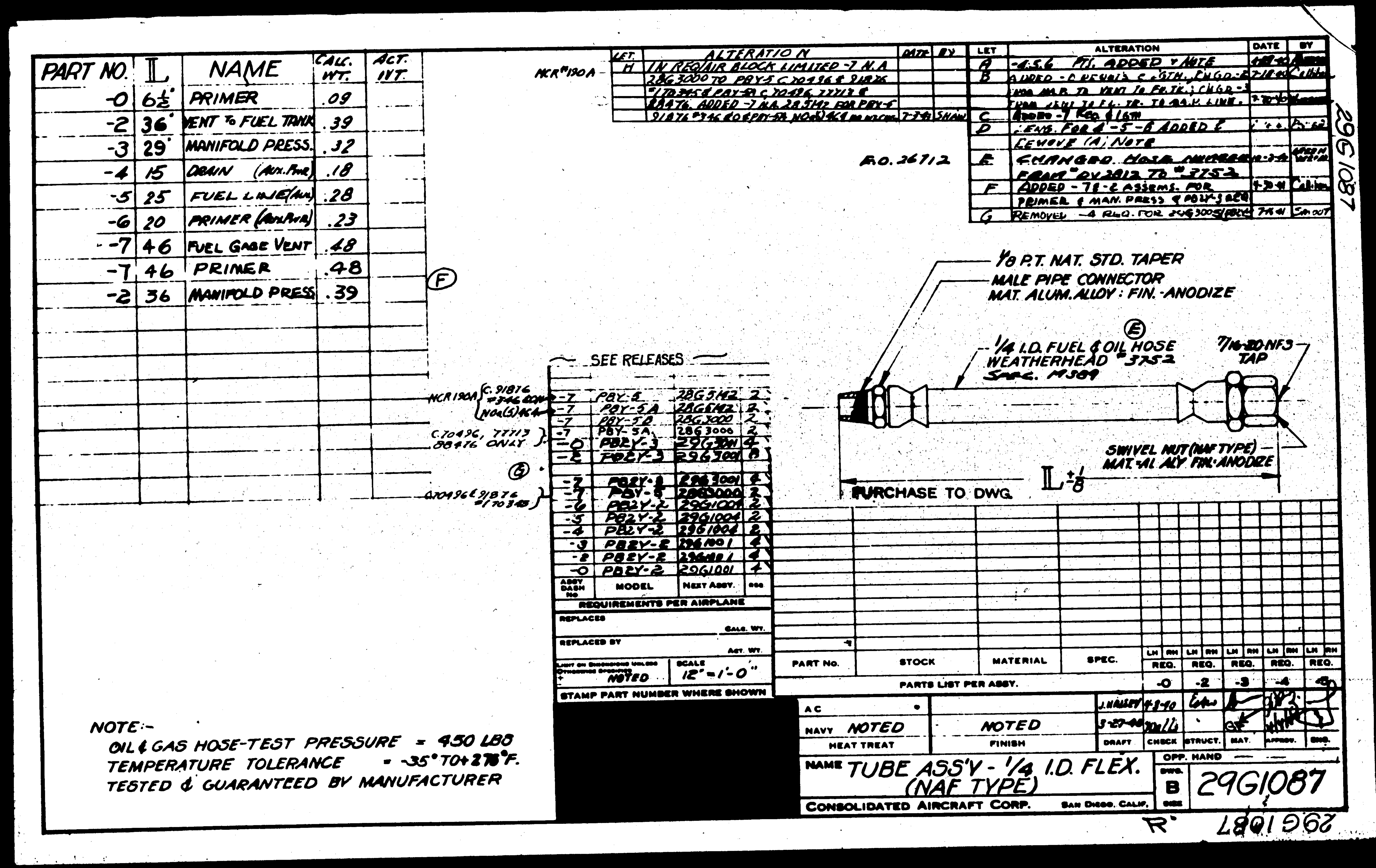
NOTE:
LETTERS & FIGURES 1/8 HIGH UNLESS OTHERWISE NOTED. SPACE LETTERING APPROX. AS SHOWN.

NOTE:
BACKGROUND TO BE ETCHED AND PAINTED BLACK. RAISED LETTERS, FIGURES & LINES TO BE POLISHED.

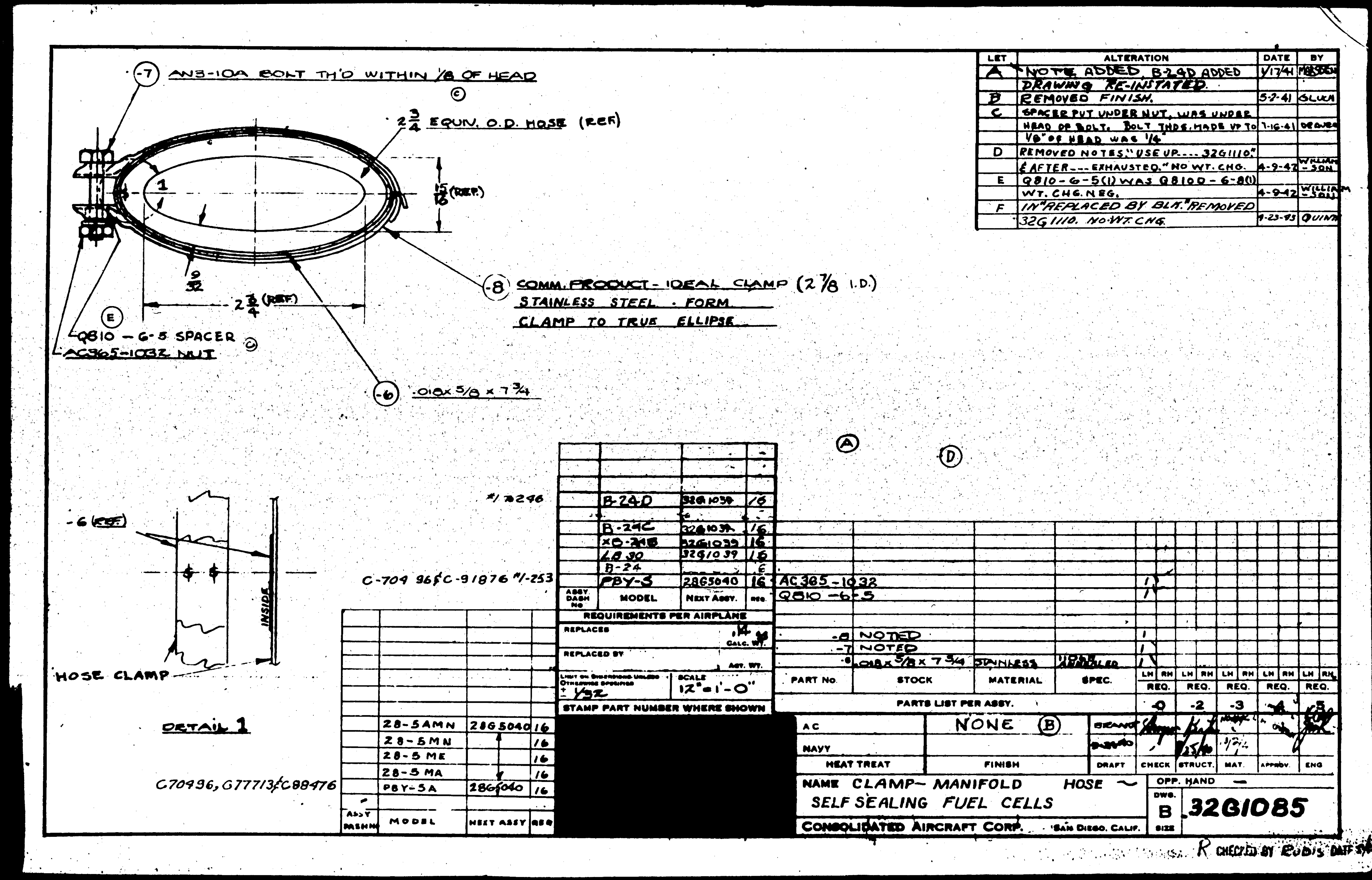

LET | ALTERATION | DATE | BY
A | REVERSED FLG. 1/2 WAS 3/4 ADDED DRILL NOTE | 12-3-41 | KAREL
6 3/4
1/2
1/4
7/32
DRILL #51-4 HOLES EQUALLY SPACED
-6
4
3 1/4
1/2
1/2
A
3/8
1/8 R
7/8
A
7/16
DRILL #10 (.193) 2 HOLES
5/32 BEND RADII
1
1
Q908A24-8
AN520-10-12 (1)
AC365-1032 (1)
Q7102A10 (1)
(2 PLACES)
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
"A" CHANGE RUSH RELEASED 12-3-41
SO936-67-2
PBY-4 28G5142 1
PBY-5B 28G5142 1
PBY-5A 28G5142 1
PBY-5 28G5142 1
ASSY. DASH No | MODEL | NEXT ASSY. | REQ
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
Q908A24-8 2
Q7102A10 2
AN520-10-12 2
AC365-1032 2
-6 .072 x 3 x 6 7/8 24ST ALC 4748 CONT 1
PART No. | STOCK | MATERIAL | SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
-0 -2 -3 -4 -5
PARTS LIST PER ASSY.
AC
NAVY NONE
HEAT TREAT
Z-P-2AP
FINISH
11-27-41
DRAFT
CHECK
11-28-41
STRUCT
MAT
APPROV
ENG
KAREL
OPP HAND
NAME SUPPORT ASSY. - SELF SEALING FUEL LINE - L.H. NAC. - INBD.
DWG. B 28G5539
SIZE
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF
R



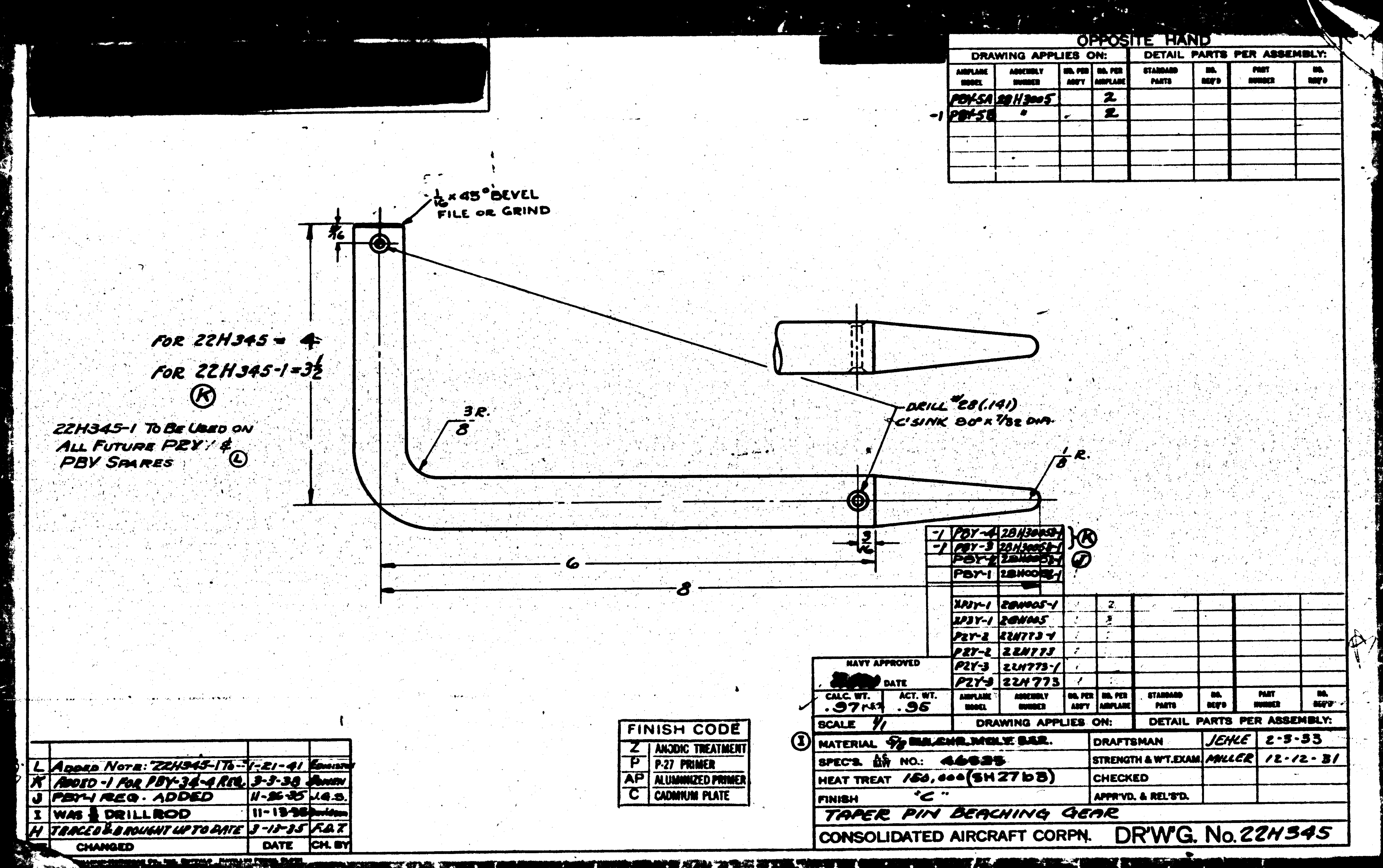
.193 DIA HOLE
3 PLACES
TO MATCH CVAC "REG 15-25"
SURFACE COMBUSTION CORP "A36ACT
.193 DIA HOLE 3 PLACES
ALL BEND & RELIEF RADII 1/8
MCR 1788-1
MODEL
NEXT ASSY
REQUIREMENTS PER AIRPLANE
28G5543
REPLACES
058
CALC WT
REPLACED BY
ACT WT
SCALE
12" - 1'-0"
STAMP PART NUMBER WHERE SHOWN
PART No
STOCK
MATERIAL
SPEC
.051 x 2 3/4 x 5
ALCLAD
PARTS LIST PER ASSY
-0
-2
-3
-4
-5
APPROVED FOR
TOOLING BY
NAVY NONE
HEAT TREAT
FINISH
NAME SUPPORT - TAIL HEATER
PRESSURE REGULATOR
CONSOLIDATED AIRCRAFT CORP
B 28G5544
28G5544



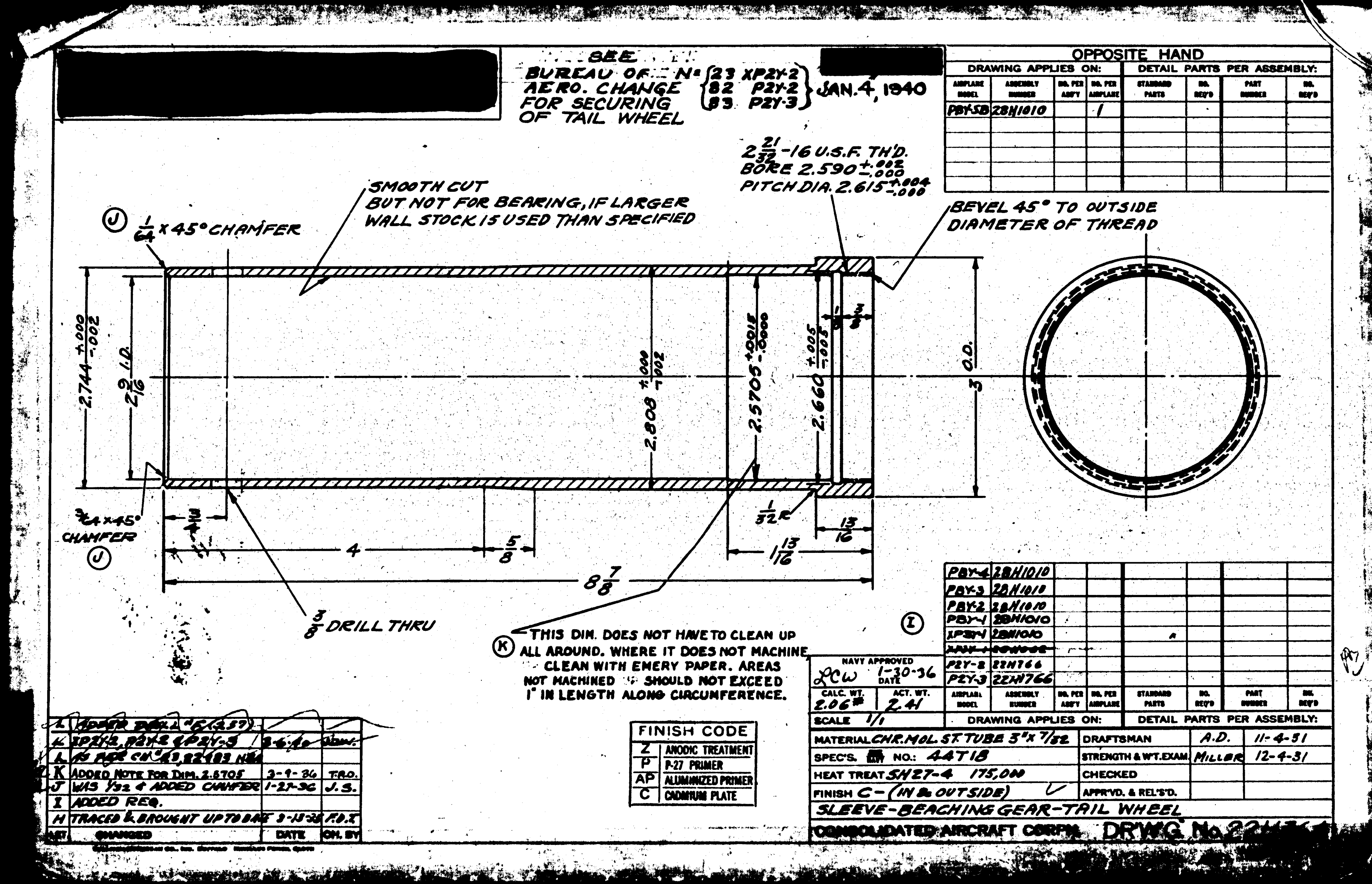
PART NO.
L
NAME
CALC. WT.
ACT. WT.
-0 6½ PRIMER .09
-2 36 VENT TO FUEL TANK .39
-3 29 MANIFOLD PRESS. .32
-4 15 DRAIN (AUX. PWR.) .18
-5 25 FUEL LINE (AUX.) .28
-6 20 PRIMER (AUX. PWR.) .23
-7 46 FUEL GAGE VENT .48
-7 46 PRIMER .48
-2 36 MANIFOLD PRESS .39
F
ALTERATION
DATE
BY
LET
NCR #190A
E.O. 26712
1/8 P.T. NAT. STD. TAPER
MALE PIPE CONNECTOR
MAT. ALUM. ALLOY : FIN. -ANODIZE
E
1/4 I.D. FUEL & OIL HOSE
WEATHERHEAD #3752
SPEC. M389
7/16-20 NF3 TAP
SWIVEL NUT (NAF TYPE)
MAT.-AL ALY FIN.-ANODIZE
PURCHASE TO DWG.
L ±1/8
SEE RELEASES
ASSY DASH No
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
NOTED
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ.
-0 -2 -3 -4 -5
PARTS LIST PER ASSY.
AC
NAVY NOTED
HEAT TREAT
NOTED
FINISH
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
OPP. HAND
NAME TUBE ASS'Y - 1/4 I.D. FLEX. (NAF TYPE)
DWG. SIZE B
29G1087
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
NOTE:-
OIL & GAS HOSE-TEST PRESSURE = 450 LBS
TEMPERATURE TOLERANCE = -35° TO +275°F.
TESTED & GUARANTEED BY MANUFACTURER
29G1087



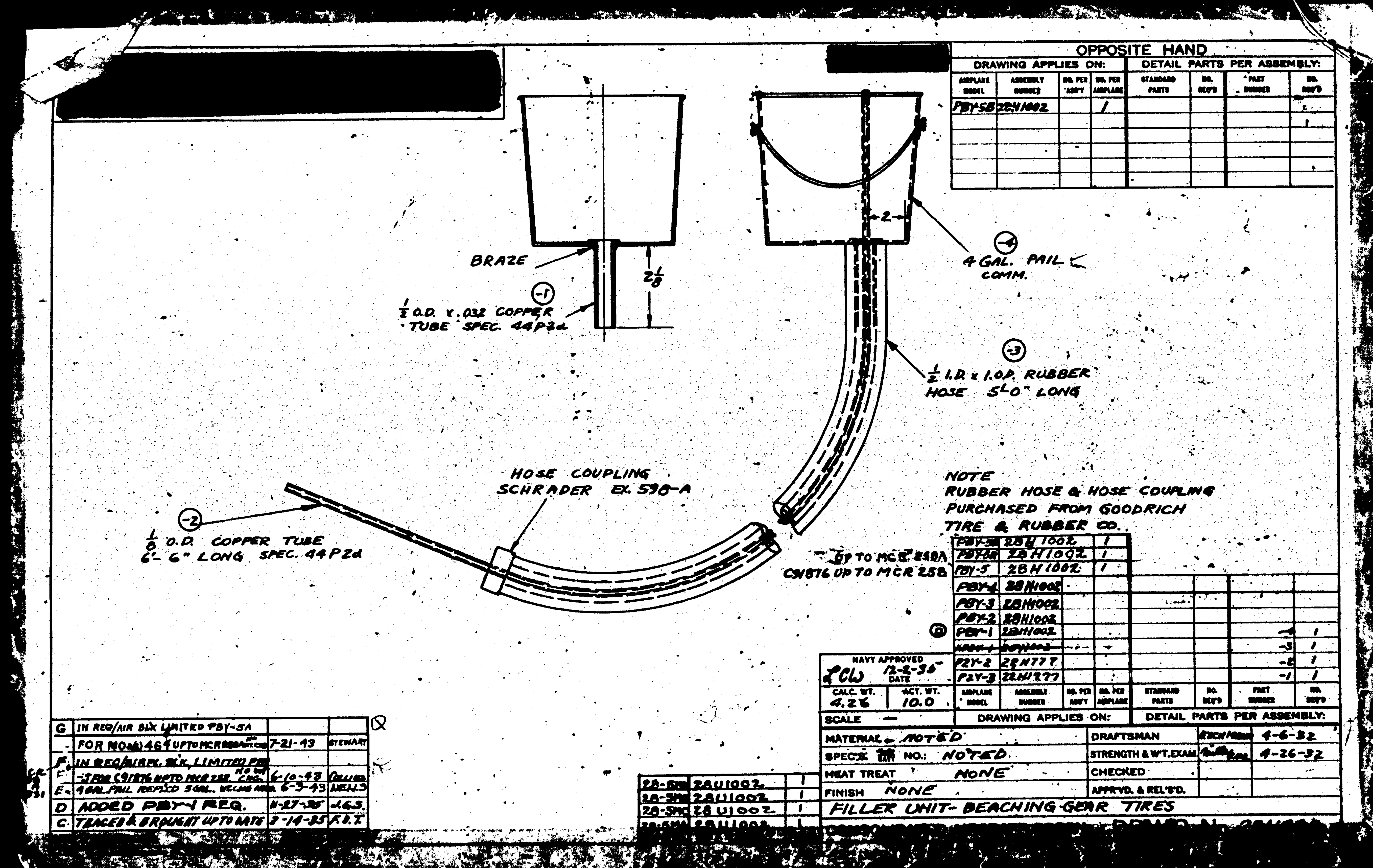
LET | ALTERATION | DATE | BY
A | NOTE ADDED, B-24D ADDED DRAWING RE-INSTATED. | 1/17/41
B | REMOVED FINISH. | 5-2-41
C | SPACER PUT UNDER NUT, WAS UNDER HEAD OF BOLT. BOLT THDS. MADE UP TO 1/8" OF HEAD WAS 1/4" | 7-16-41
D | REMOVED NOTES "USE UP.... 32G1110" & AFTER.... EXHAUSTED." NO WT. CHG. | 4-9-42 | WILLIAMSON
E | Q810-6-5(1) WAS Q8100-6-8(1) WT. CHG. NEG. | 4-9-42 | WILLIAMSON
F | IN "REPLACED BY BLK." REMOVED 32G1110. NO WT. CHG. | 4-23-43 | QUINN
-7 AN3-10A BOLT TH'D WITHIN 1/8 OF HEAD
2 3/4 EQUIV. O.D. HOSE (REF)
15/16 (REF.)
9/32
2 3/4 (REF)
-8 COMM. PRODUCT - IDEAL CLAMP (2 7/8 I.D.)
STAINLESS STEEL · FORM
CLAMP TO TRUE ELLIPSE
Q810 - 6-5 SPACER
AC365-1032 NUT
-6 .018 x 5/8 x 7 3/4
-6 (REF.)
INSIDE
HOSE CLAMP
DETAIL 1
#1 to 246
C-709 96 & C-91876 #1-253
C70996, C77713 & C88476
B-24D | 32G1034 | 16
B-24C | 32G1039 | 16
XB-24B | 32G1039 | 16
LB-30 | 32G1039 | 16
B-24 | | 6
PBY-5 | 28G5040 | 16
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
28-5AMN | 28G5040 | 16
28-5MN | | 16
28-5ME | | 16
28-5MA | | 16
PBY-5A | 28G5040 | 16
ASSY DASH NO. | MODEL | NEXT ASSY | REQ
AC365-1032 | 1
Q810-6-5 | 1
-8 NOTED | 1
-7 NOTED | 1
-6 .018 x 5/8 x 7 3/4 STAINLESS ANNEALED | 1
PART NO. | STOCK | MATERIAL | SPEC. | LH RH REQ. | LH RH REQ. | LH RH REQ. | LH RH REQ. | LH RH REQ.
PARTS LIST PER ASSY. | -0 | -2 | -3 | -4 | -5
[redacted]
AC | NONE
NAVY
HEAT TREAT | FINISH
DRAWN | CHECK | STRUCT. | MAT. | APPROV. | ENG.
NAME CLAMP - MANIFOLD HOSE ~ SELF SEALING FUEL CELLS
OPP. HAND —
DWG. B SIZE 32G1085
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R CHECKED BY

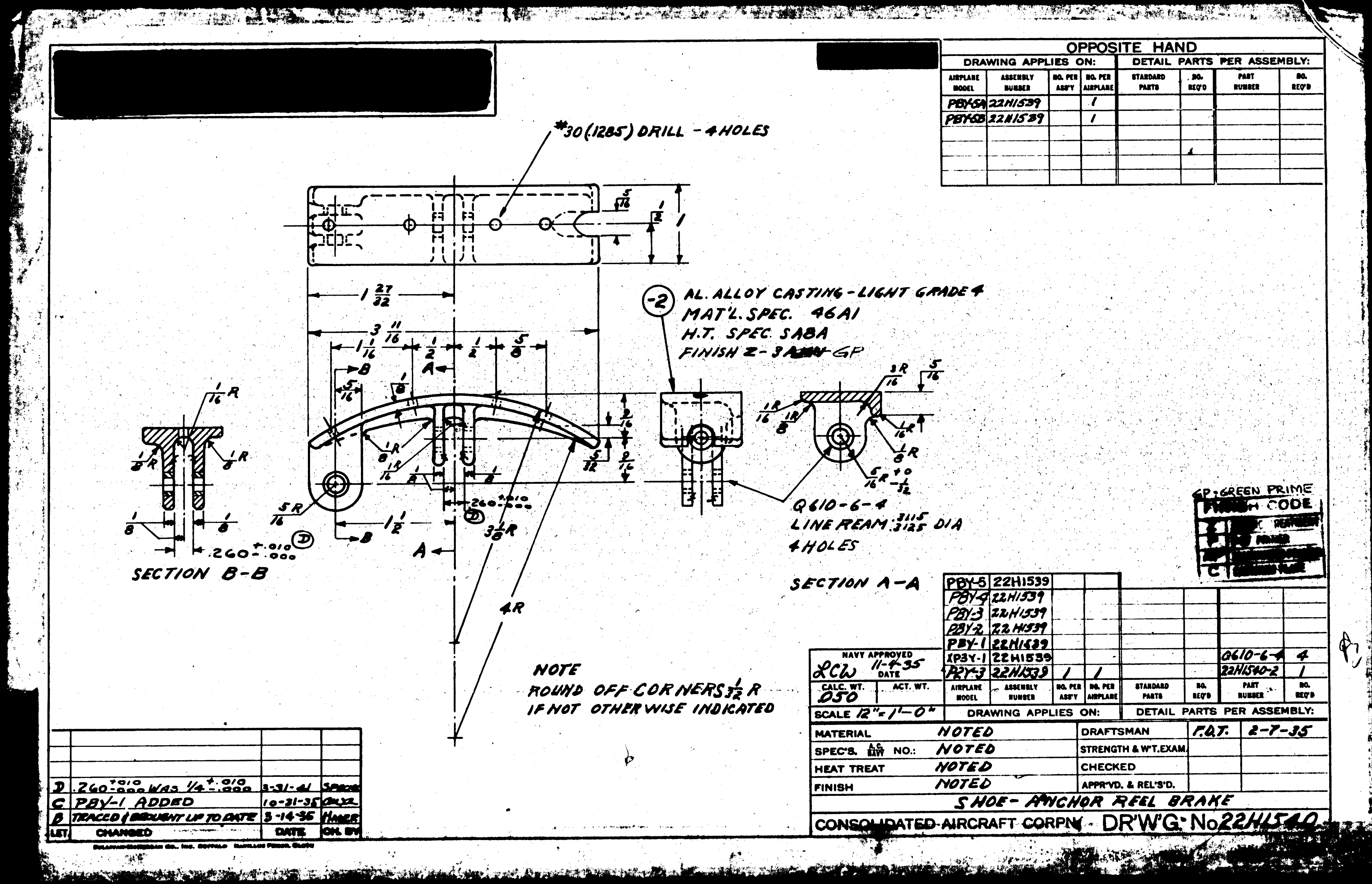


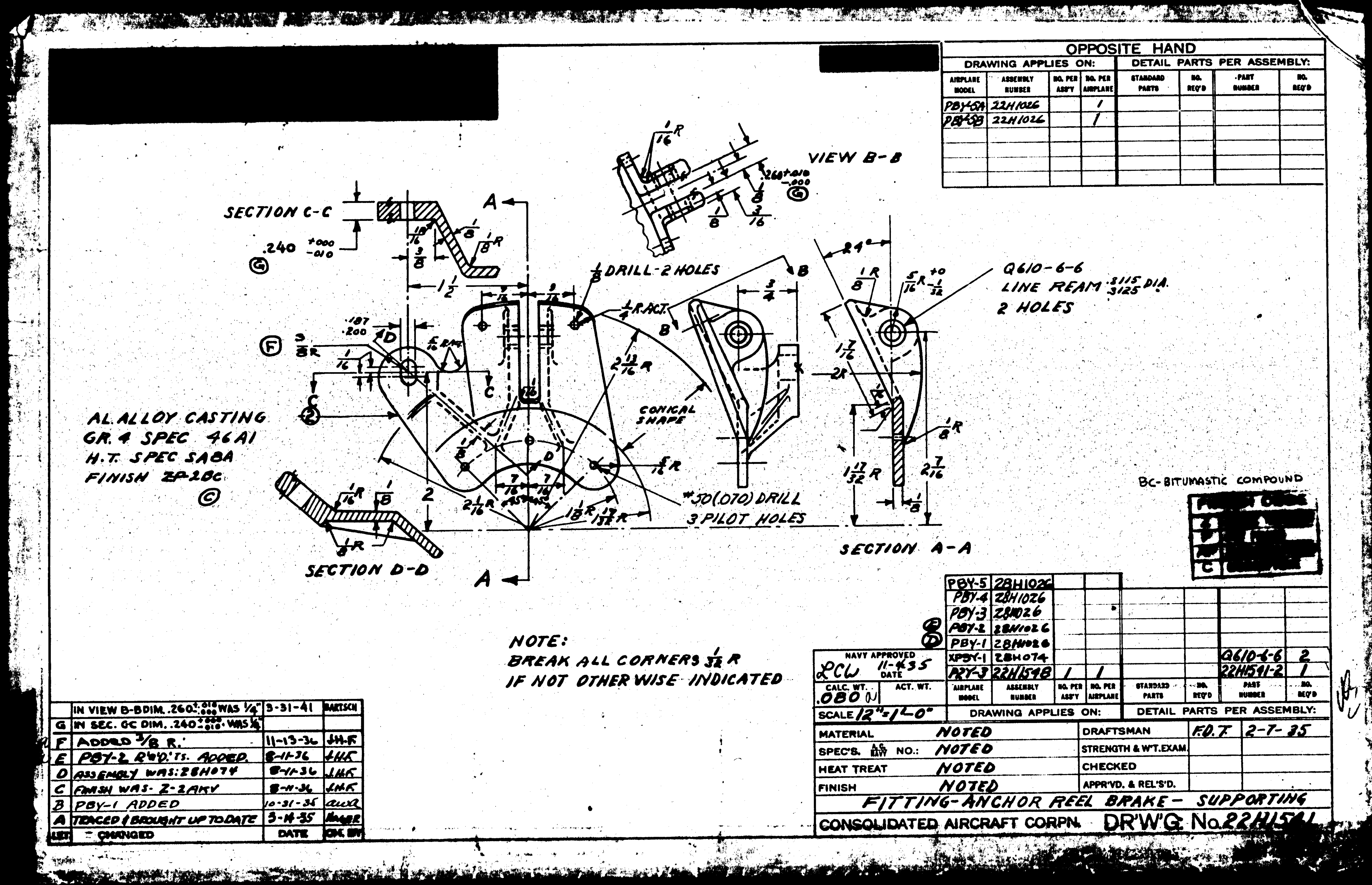
[redacted]
OPPOSITE HAND
DRAWING APPLIES ON:
DETAIL PARTS PER ASSEMBLY:
PBY-5A 28H3005 2
-1 PBY-5B 2
1/16 x 45° BEVEL FILE OR GRIND
3/16
FOR 22H345 = 4
FOR 22H345-1 = 3 1/2
K
22H345-1 To Be Used on All Future P2Y & PBY Spares
L
3/8 R.
DRILL #28 (.141) C'SINK 80° x 7/32 DIA.
1/8 R.
3/16
6
8
-1 PBY-4 28H3005-1
-1 PBY-3 28H3005-1
PBY-2
PBY-1
XP3Y-1 28H005-1 2
XP3Y-1 28H005
P2Y-2 22H773-1
P2Y-2 22H773
P2Y-3 22H773-1
P2Y-3 22H773
NAVY APPROVED
DATE
CALC. WT. .97
ACT. WT. .95
SCALE 1/1
DRAWING APPLIES ON:
DETAIL PARTS PER ASSEMBLY:
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
MATERIAL
SPEC'S. NO.:
HEAT TREAT 150,000 (SH 27 b3)
FINISH "C"
DRAFTSMAN JEHLE 2-3-33
STRENGTH & W'T. EXAM. MILLER 12-12-31
CHECKED
APPR'VD. & REL'S'D.
TAPER PIN BEACHING GEAR
CONSOLIDATED AIRCRAFT CORPN.
DR'W'G. No. 22H345
L Added Note: "22H345-1 To..." 1-21-41
K Added -1 for PBY-3 & 4 Req. 3-3-38
J PBY-1 REQ. ADDED 11-26-35 J.G.S.
I WAS DRILL ROD 11-13-35
H TRACED & BROUGHT UP TO DATE 3-13-35 F.D.T.
CHANGED DATE CH. BY

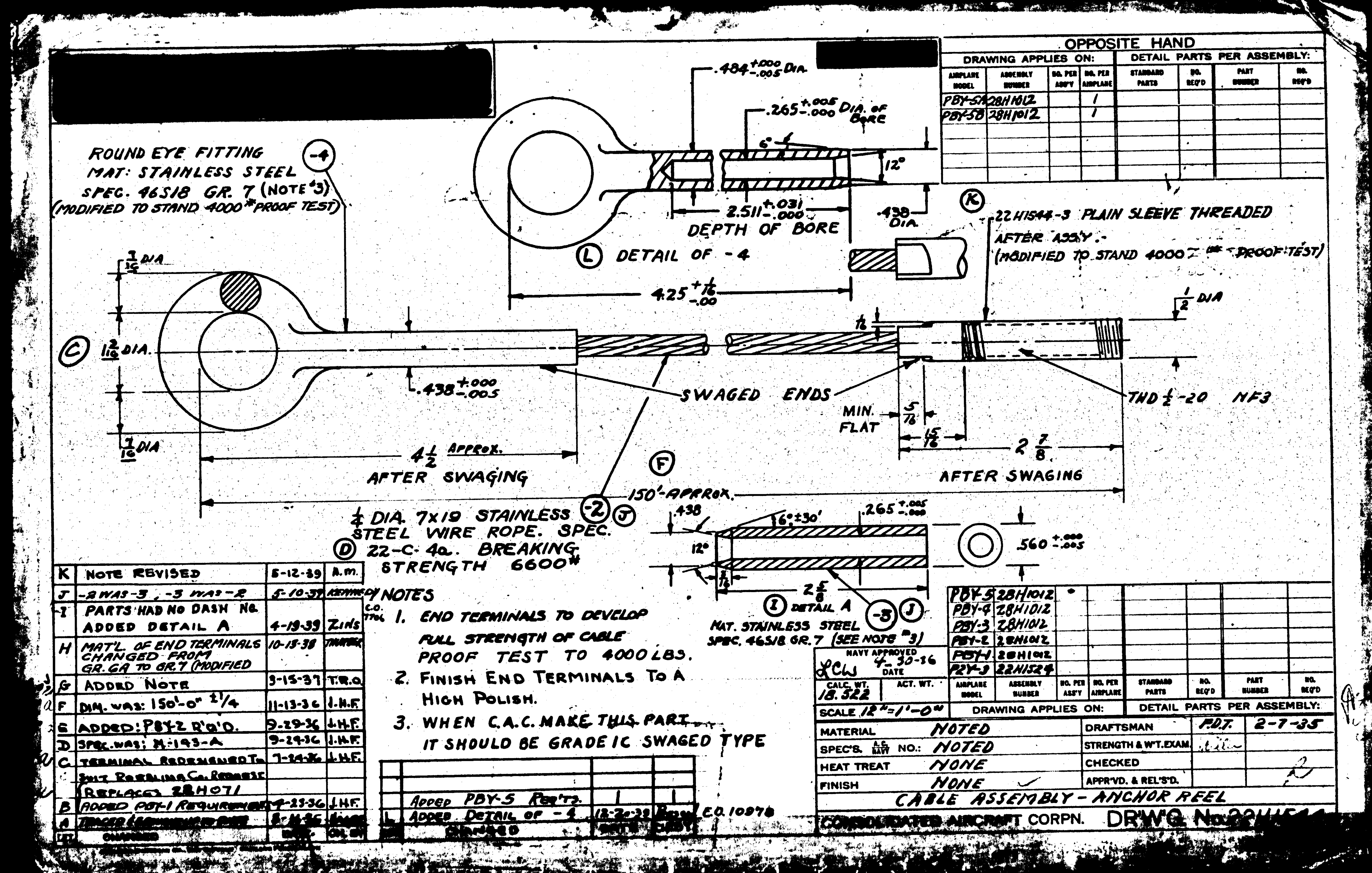


[redacted]
SEE BUREAU OF AERO. CHANGE FOR SECURING OF TAIL WHEEL
Nº 23 XP2Y-2
82 P2Y-2
83 P2Y-3
JAN. 4, 1940
[redacted]
OPPOSITE HAND
DRAWING APPLIES ON:
DETAIL PARTS PER ASSEMBLY:
AIRPLANE MODEL
ASSEMBLY NUMBER
NO. PER ASS'Y
NO. PER AIRPLANE
STANDARD PARTS
NO. REQ'D
PART NUMBER
NO. REQ'D
PBY-5B 28H1010 1
2 21/32-16 U.S.F. TH'D.
BORE 2.590 +.002 -.000
PITCH DIA. 2.615 +.004 -.000
SMOOTH CUT BUT NOT FOR BEARING, IF LARGER WALL STOCK IS USED THAN SPECIFIED
J 1/64 x 45° CHAMFER
BEVEL 45° TO OUTSIDE DIAMETER OF THREAD
2.744 +.000 -.002
2 9/16 I.D.
2.808 +.000 -.002
2.5705 +.0015 -.0000
2.660 +.005 -.005
1/8
3/8
3 O.D.
3/64 x 45° CHAMFER J
3/4
4
5/8
1/32 R
13/16
1 13/16
8 7/8
3/8 DRILL THRU
K THIS DIM. DOES NOT HAVE TO CLEAN UP ALL AROUND. WHERE IT DOES NOT MACHINE CLEAN WITH EMERY PAPER. AREAS NOT MACHINED SHOULD NOT EXCEED 1" IN LENGTH ALONG CIRCUMFERENCE.
PBY-4 28H1010
PBY-3 28H1010
PBY-2 28H1010
PBY-1 28H1010
XP3Y-1 28H1010
P2Y-2 22H766
P2Y-3 22H766
I
NAVY APPROVED LCW 1-30-36 DATE
CALC. WT. 2.06#
ACT. WT. 2.41
SCALE 1/1
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
MATERIAL CHR. MOL. ST. TUBE 3" x 7/32
SPEC'S. NO.: 44T18
HEAT TREAT SH27-4 175,000
FINISH C-(IN & OUTSIDE)
DRAFTSMAN A.D. 11-4-31
STRENGTH & WT. EXAM. MILLER 12-4-31
CHECKED
APPR'VD. & REL'S'D.
SLEEVE-BEACHING GEAR-TAIL WHEEL
CONSOLIDATED AIRCRAFT CORP.
DR'WG. No.
K XP2Y-2, P2Y-2 & P2Y-3 3-6-40
K ADDED NOTE FOR DIM. 2.5705 3-9-36 T.R.O.
J WAS 1/32 & ADDED CHAMFER 1-27-36 J.S.
I ADDED REQ.
H TRACED & BROUGHT UP TO DATE
LET. CHANGED DATE CH. BY

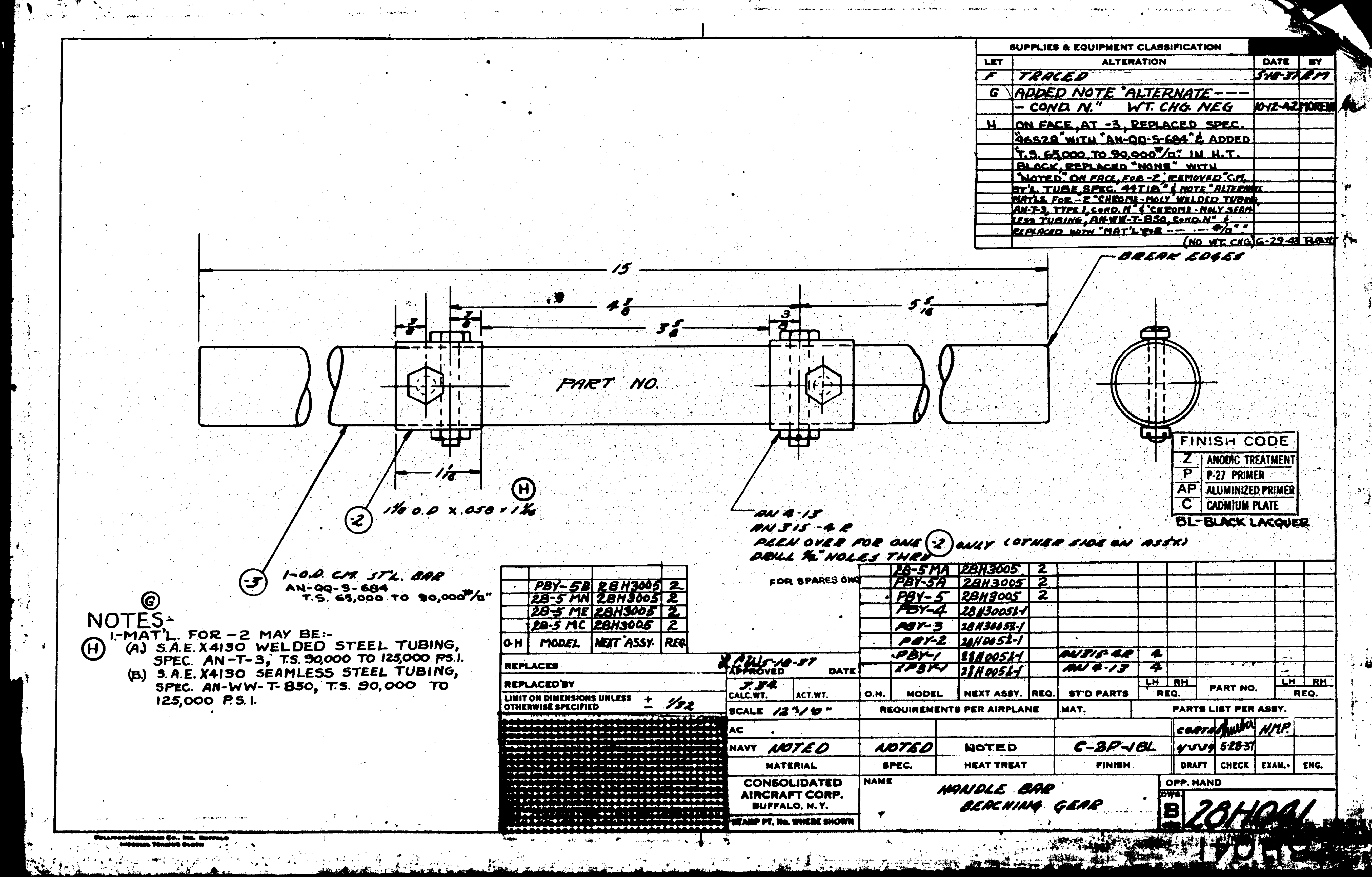

[redacted]
OPPOSITE HAND
DRAWING APPLIES ON:
DETAIL PARTS PER ASSEMBLY:
AIRPLANE MODEL
ASSEMBLY NUMBER
NO. PER ASS'Y
NO. PER AIRPLANE
STANDARD PARTS
NO. REQ'D
PART NUMBER
NO. REQ'D
PBY-5B 28H1002 1
BRAZE
2 1/8
-1
1/2 O.D. x .032 COPPER TUBE SPEC. 44P2d
-2
-4
4 GAL. PAIL COMM.
-3
1/2 I.D. x 1.0 O.D. RUBBER HOSE 5'-0" LONG
HOSE COUPLING SCHRADER EX. 598-A
-2
1/8 O.D. COPPER TUBE 6'-6" LONG SPEC. 44P2d
NOTE
RUBBER HOSE & HOSE COUPLING PURCHASED FROM GOODRICH TIRE & RUBBER CO.
UP TO MCR 258A
C91876 UP TO MCR 258
PBY-5B 28H1002 1
PBY-5A 28H1002 1
PBY-5 28H1002 1
PBY-4 28H1002
PBY-3 28H1002
PBY-2 28H1002
PBY-1 28H1002 -4 1
-3 1
P2Y-2 28H777 -2 1
P2Y-3 28H777 -1 1
NAVY APPROVED
LCW 12-2-35 DATE
CALC. WT. 4.26
ACT. WT. 10.0
SCALE —
DRAWING APPLIES ON:
DETAIL PARTS PER ASSEMBLY:
G IN REQ/AIR BLK LIMITED PBY-5A
FOR NO.(s) 464 UP TO MCR 7-21-43 STEWART
F. IN REQ/AIR BLK LIMITED
-3 FOR C91876 UP TO MCR 258 NO WT CHG. 6-10-43
E. 4 GAL PAIL REPL'CD 5 GAL. 6-3-43
D ADDED PBY-1 REQ. 11-27-35 J.G.S.
C. TRACED & BROUGHT UP TO DATE 8-14-35 F.D.T.
28-5MA 28U1002 1
28-5MC 28U1002 1
MATERIAL NOTED
SPEC'S. NO.: NOTED
HEAT TREAT NONE
FINISH NONE
DRAFTSMAN 4-6-32
STRENGTH & W'T. EXAM. 4-26-32
CHECKED
APPR'VD. & REL'S'D.
FILLER UNIT - BEACHING GEAR TIRES


[redacted]
[redacted]
OPPOSITE HAND
DRAWING APPLIES ON:
DETAIL PARTS PER ASSEMBLY:
AIRPLANE MODEL | ASSEMBLY NUMBER | NO. PER ASS'Y | NO. PER AIRPLANE | STANDARD PARTS | NO. REQ'D | PART NUMBER | NO. REQ'D
PBY-5A | 22H1539 | | 1
PBY-5B | 22H1539 | | 1
#30 (.1285) DRILL - 4 HOLES
-2
AL. ALLOY CASTING - LIGHT GRADE 4
MAT'L. SPEC. 46A1
H.T. SPEC. SABA
FINISH Z-3 GP
Q610-6-4
LINE REAM .3115/.3125 DIA
4 HOLES
SECTION B-B
SECTION A-A
NOTE
ROUND OFF CORNERS 1/32 R
IF NOT OTHERWISE INDICATED
GP - GREEN PRIME
FINISH CODE
PBY-5 | 22H1539
PBY-4 | 22H1539
PBY-3 | 22H1539
PBY-2 | 22H1539
PBY-1 | 22H1539
XP3Y-1 | 22H1539
P3Y-3 | 22H1539 | 1 | 1
Q610-6-4 | 4
22H1540-2 | 1
NAVY APPROVED LCW 11-4-35 DATE
CALC. WT. .050
ACT. WT.
SCALE 12" = 1'-0"
MATERIAL NOTED
SPEC'S. A.C. NAVY NO.: NOTED
HEAT TREAT NOTED
FINISH NOTED
DRAFTSMAN F.D.T. 2-7-35
STRENGTH & W'T. EXAM.
CHECKED
APPR'VD. & REL'S'D.
SHOE - ANCHOR REEL BRAKE
CONSOLIDATED AIRCRAFT CORPN.
DR'W'G. No 22H1540
D | .260 +.010/-.000 WAS 1/4 +.010/-.000 | 3-31-41
C | PBY-1 ADDED | 10-31-35
B | TRACED & BROUGHT UP TO DATE | 3-14-36
LET. | CHANGED | DATE | CH. BY


[redacted]
OPPOSITE HAND
DRAWING APPLIES ON:
DETAIL PARTS PER ASSEMBLY:
AIRPLANE MODEL | ASSEMBLY NUMBER | NO. PER ASS'Y | NO. PER AIRPLANE | STANDARD PARTS | NO. REQ'D | PART NUMBER | NO. REQ'D
PBY-5A 22H1026 1
PBY-5B 22H1026 1
VIEW B-B
SECTION C-C
.240 +.000 -.010
1/8 DRILL-2 HOLES
Q610-6-6
LINE REAM .3115/.3125 DIA.
2 HOLES
AL. ALLOY CASTING
GR. 4 SPEC 46A1
H.T. SPEC SABA
FINISH ZP-2BC
CONICAL SHAPE
#50(.070) DRILL
3 PILOT HOLES
SECTION D-D
SECTION A-A
BC-BITUMASTIC COMPOUND
[redacted]
NOTE:
BREAK ALL CORNERS 1/32 R
IF NOT OTHERWISE INDICATED
PBY-5 28H1026
PBY-4 28H1026
PBY-3 28H1026
PBY-2 28H1026
PBY-1 28H1026
XP3Y-1 28H074
P3Y-3 22H1548 1 1
Q610-6-6 2
22H1541-2 1
NAVY APPROVED LCW 11-4-35 DATE
CALC. WT. .080 ACT. WT.
SCALE 12"=1'-0"
MATERIAL NOTED
SPEC'S. NO.: NOTED
HEAT TREAT NOTED
FINISH NOTED
DRAFTSMAN F.O.T. 2-7-35
STRENGTH & W'T. EXAM.
CHECKED
APPR'VD. & REL'S'D.
FITTING-ANCHOR REEL BRAKE- SUPPORTING
CONSOLIDATED AIRCRAFT CORPN.
DR'W'G. No. 22H1541
IN VIEW B-B DIM. .260 +.010/-.000 WAS 1/4" 3-31-41 BARTSCH
G IN SEC. CC DIM. .240 +.000/-.010 WAS 1/4
F ADDED 3/8 R. 11-13-36 J.H.F.
E PBY-2 REQ'TS. ADDED 8-11-36 J.H.F.
D ASSEMBLY WAS: 28H074 8-11-36 J.H.F.
C FINISH WAS- Z-2AKV 8-11-36 J.H.F.
B PBY-1 ADDED 10-31-35
A TRACED & BROUGHT UP TO DATE 3-14-35
LET. CHANGED DATE CHK. BY



[redacted]
OPPOSITE HAND
DRAWING APPLIES ON:
DETAIL PARTS PER ASSEMBLY:
AIRPLANE MODEL
ASSEMBLY NUMBER
NO. PER ASS'Y
NO. PER AIRPLANE
STANDARD PARTS
NO. REQ'D
PART NUMBER
NO. REQ'D
PBY-5A 28H1012 1
PBY-5B 28H1012 1
.484 +.000 -.005 DIA.
.265 +.005 -.000 DIA. OF BORE
6°
12°
2.511 +.031 -.000
DEPTH OF BORE
.438 DIA.
L DETAIL OF -4
4.25 +1/16 -.00
K
22H1544-3 PLAIN SLEEVE THREADED AFTER ASS'Y. (MODIFIED TO STAND 4000# PROOF TEST)
ROUND EYE FITTING
MAT: STAINLESS STEEL
SPEC. 46S18 GR. 7 (NOTE #3)
(MODIFIED TO STAND 4000# PROOF TEST)
-4
3/16 DIA
C
1 3/16 DIA.
3/16 DIA
.438 +.000 -.005
1/16
1/2 DIA
SWAGED ENDS
THD 1/2-20 NF3
MIN. FLAT
5/16
15/16
2 7/8
4 1/2 APPROX.
AFTER SWAGING
AFTER SWAGING
F
150'-APPROX.
-2 J
1/4 DIA. 7x19 STAINLESS STEEL WIRE ROPE. SPEC.
D 22-C-4a. BREAKING STRENGTH 6600#
.438
6°±30'
.265 +.005 -.000
12°
.560 +.000 -.005
1/16
2 5/8
I DETAIL A
-3 J
MAT. STAINLESS STEEL
SPEC. 46S18 GR. 7 (SEE NOTE #3)
K NOTE REVISED 5-12-39 A.M.
J -2 WAS -3, -3 WAS -2 5-10-39
I PARTS HAD NO DASH NO. ADDED DETAIL A 4-19-39 ZINS
H MAT'L. OF END TERMINALS CHANGED FROM GR. 6A TO GR. 7 (MODIFIED 10-13-38
G ADDED NOTE 3-15-37 T.R.O.
F DIM. WAS: 150'-0" ±1/4 11-13-36 J.H.F.
E ADDED: PBY-2 REQ'D. 9-29-36 J.H.F.
D SPEC. WAS: M-193-A 9-29-36 J.H.F.
C TERMINAL REDESIGNED TO SUIT ROEBLING CO. REQUEST. REPLACES 28H071 7-24-36 J.H.F.
B ADDED PBY-1 REQUIREMENTS 4-23-36 J.H.F.
A
CHANGE
NOTES
1. END TERMINALS TO DEVELOP FULL STRENGTH OF CABLE PROOF TEST TO 4000 LBS.
2. FINISH END TERMINALS TO A HIGH POLISH.
3. WHEN C.A.C. MAKE THIS PART IT SHOULD BE GRADE IC SWAGED TYPE
ADDED PBY-5 REQ'TS.
L ADDED DETAIL OF -4 12-20-39 E.O. 10976
CHANGE
PBY-5 28H1012
PBY-4 28H1012
PBY-3 28H1012
PBY-2 28H1012
PBY-1 28H1012
P2Y-3 22H1524
NAVY APPROVED
LCW 4-30-36
DATE
CALC. WT. 18.522
ACT. WT.
SCALE 12"=1'-0"
DRAWING APPLIES ON:
DETAIL PARTS PER ASSEMBLY:
MATERIAL NOTED
SPEC'S. NO.: NOTED
HEAT TREAT NONE
FINISH NONE
DRAFTSMAN P.D.T. 2-7-35
STRENGTH & WT. EXAM.
CHECKED
APPR'VD. & REL'S'D.
CABLE ASSEMBLY - ANCHOR REEL
CONSOLIDATED AIRCRAFT CORPN.
DR'WG. No.


SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
F TRACED 5-18-37 R.M.
G ADDED NOTE "ALTERNATE--- - COND. N." WT. CHG. NEG 10-12-42
H ON FACE, AT -3, REPLACED SPEC. "46S28" WITH "AN-QQ-S-684" & ADDED "T.S. 65,000 TO 90,000#/□" IN H.T. BLOCK, REPLACED "NONE" WITH "NOTED" ON FACE, FOR -2, REMOVED "C.M. ST'L TUBE, SPEC. 44T18" & NOTE "ALTERNATE MAT'LS FOR -2 "CHROME-MOLY WELDED TUBING, AN-T-3, TYPE I, COND. N" & "CHROME-MOLY SEAMLESS TUBING, AN-WW-T-850, COND. N" & REPLACED WITH "MAT'L FOR --- ---#/□"
(NO WT. CHG.) 6-29-43
BREAK EDGES
15
4 7/8
5 5/16
7/8
7/8
3 5/8
3/8
PART NO.
1 1/16
(H)
(-2) 1 1/8 O.D. x .058 x 1 1/16
AN 4-13
AN 315-4R
PEEN OVER FOR ONE (-2) ONLY (OTHER SIDE ON ASS'Y)
DRILL 1/4" HOLES THRU
(-3) 1-O.D. C.M. ST'L. BAR
AN-QQ-S-684
T.S. 65,000 TO 90,000#/□"
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
BL-BLACK LACQUER
(G)
NOTES-
(H) 1-MAT'L. FOR -2 MAY BE:-
(A) S.A.E. X4130 WELDED STEEL TUBING, SPEC. AN-T-3, T.S. 90,000 TO 125,000 P.S.I.
(B) S.A.E. X4130 SEAMLESS STEEL TUBING, SPEC. AN-WW-T-850, T.S. 90,000 TO 125,000 P.S.I.
FOR SPARES ONLY
PBY-5B 28H3005 2
28-5 MN 28H3005 2
28-5 ME 28H3005 2
28-5 MC 28H3005 2
O.H. MODEL NEXT ASS'Y. REQ.
28-5MA 28H3005 2
PBY-5A 28H3005 2
PBY-5 28H3005 2
PBY-4 28H3005
PBY-3 28H3005
PBY-2 28H005
PBY-1 28H005 AN315-4R 2
XP3Y-1 28H005 AN4-13 4
O.H. MODEL NEXT ASS'Y. REQ. STD PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
APPROVED 5-18-37 DATE
CALC.WT. ACT.WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE
AC
NAVY NOTED NOTED NOTED C-BP-1BL
MATERIAL SPEC. HEAT TREAT FINISH
DRAFT CHECK EXAM. ENG.
N.M.P.
5-28-37
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME HANDLE BAR BEACHING GEAR
OPP. HAND
DWG. B 28H021

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
A	TRACED	2-2-37	[illegible]
B	REAM .890 ± .001/.000" WAS 7/8 DRILL.	12-23-41	[illegible]
C	11/32 DIA. HOLE WAS "O" (.316)		
	DRILL. NO. WT. CHG.	8-10-42	CHINCHON
D	IN B/M, REPLACED 1 1/8" DIA. ST. STL. BAR, 46318 GR. IC"		
	WITH "NOTED." ADDED MAT'L NOTE. NO WT. CHG.	9-16-43	[illegible]

EO# A51492.

REAM .890 ± .001/.000 (B)

5/8 DRILL

CHAMFER 1/32 × 45° 3 PLACES

1 1/8

2 13/32

1 11/16

.873 ± .001 DIA.

.624 ± .000/.004 DIA.

.435 ± .001 DIA.

A A

11/32

29/32

#28 (.141) DRILL

21°

.01 R.

.01 R.

3/32

1/32 R.

CHAMFER 3/64 × 45°

THD. 9/16 -18 NF-3

UNDER CUT .470 ± .005 DIA.

(C)

11/32 DIA. HOLE

5/16

13/32

1 29/32

25/32

1

5 5/8

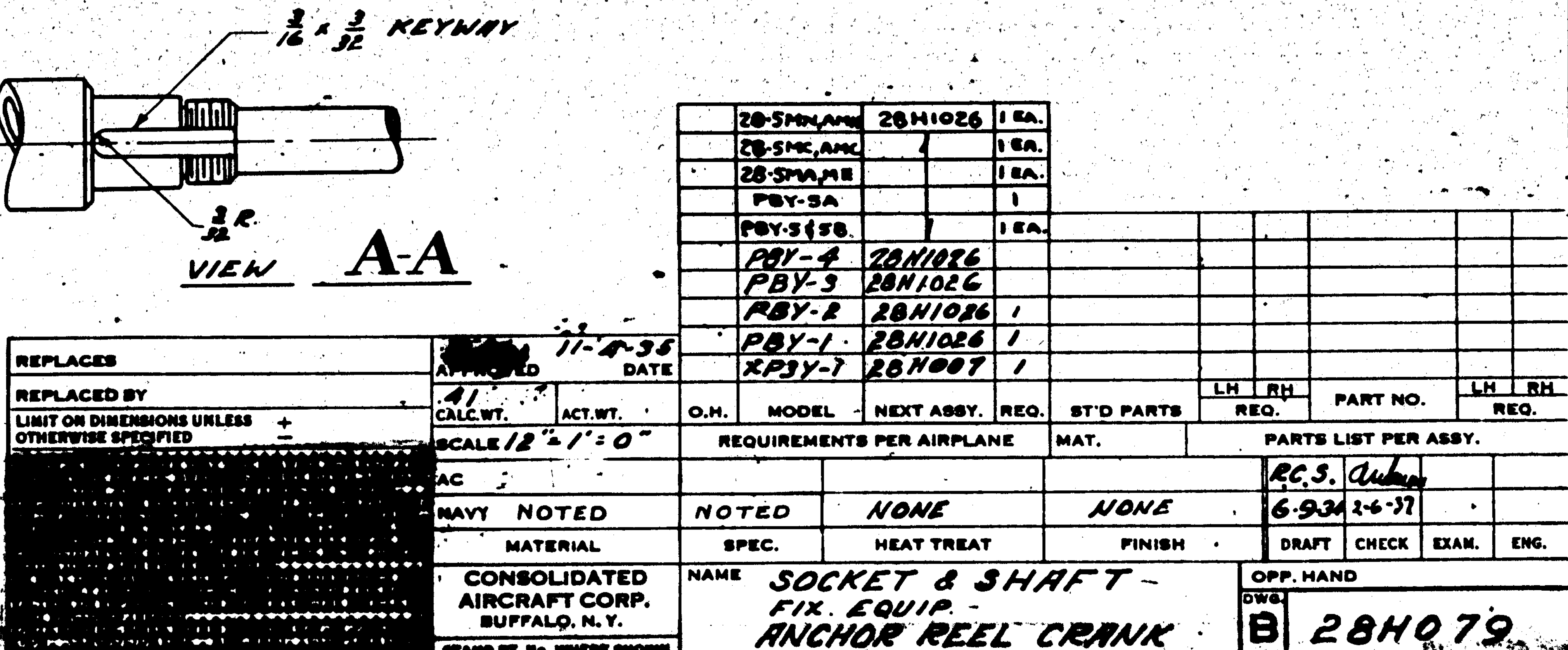
BREAK EDGE

NOTE-

MAT'L. MAY BE-

(A.) 1 1/8 DIA. STAINLESS STEEL ROD, SPEC. AN-QQ-S-771, COMP. FM, COND. B, OR

(B) 1 1/8 DIA. STAINLESS STEEL ROD, SPEC. AN-QQ-S-771, COMP. G, COND. A.



	28-5MN, AMC	28H1026	1 EA.
	28-5MC, AMC		1 EA.
	28-5MA, ME		1 EA.
	PBY-5A		1
	PBY-5 & 5B		1 EA.
	PBY-4	28H1026	
	PBY-3	28H1026	
	PBY-2	28H1026	1
	PBY-1	28H1026	1
	XP3Y-1	28H007	1
O.H.	MODEL	NEXT ASSY.	REQ.

REQUIREMENTS PER AIRPLANE

ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.

MAT. — PARTS LIST PER ASSY.

REPLACES

REPLACED BY

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED +/−

[redacted]

[redacted] APPROVED 11-4-36 DATE

.41 CALC. WT. — ACT. WT.

SCALE 12" = 1'-0"

AC

	MATERIAL	SPEC.	HEAT TREAT	FINISH
NAVY	NOTED	NOTED	NONE	NONE

DRAFT	CHECK	EXAM.	ENG.
R.C.S.	[illegible]		
6-9-36	2-6-37		

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

STAMP PT. No. WHERE SHOWN

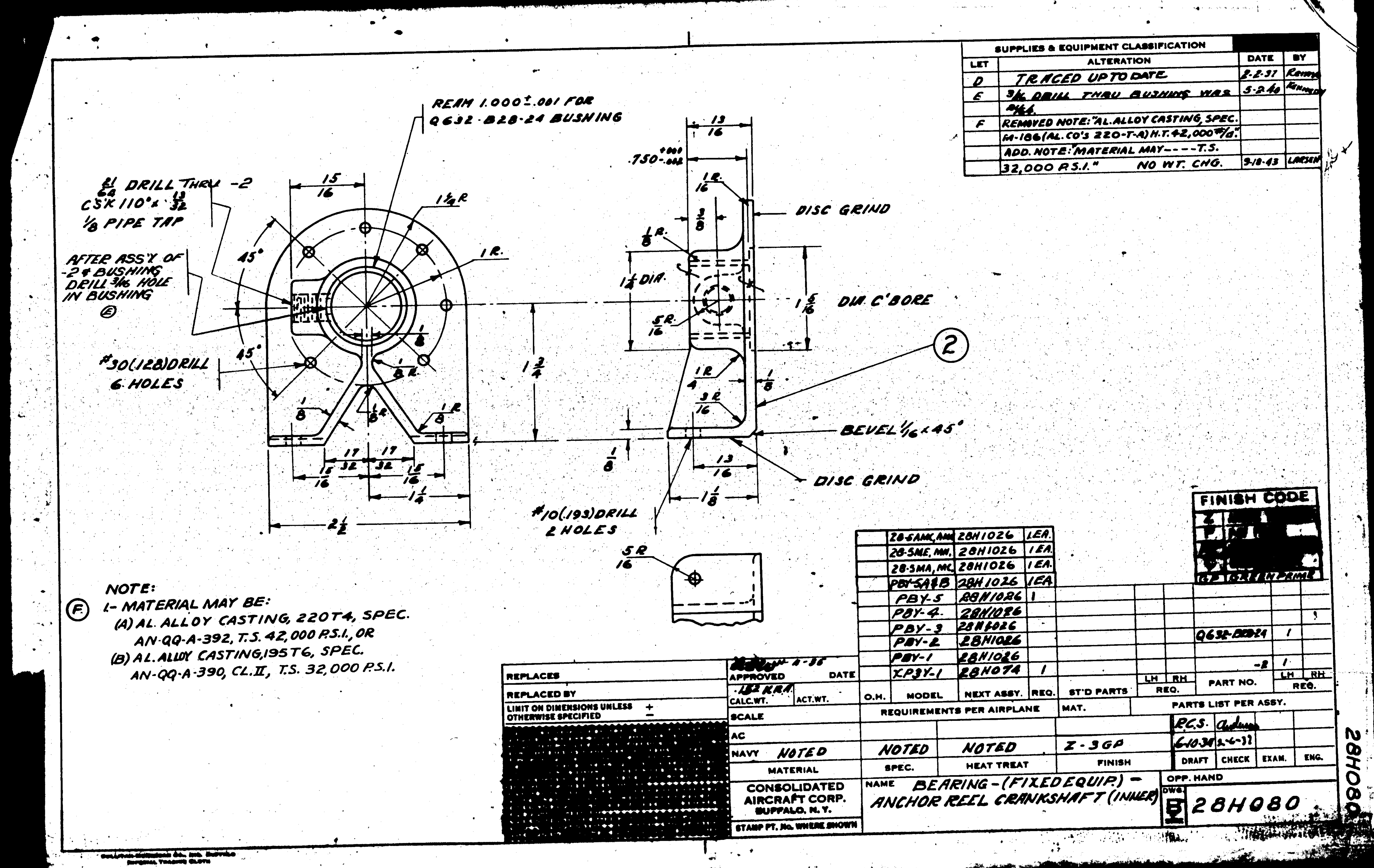
NAME SOCKET & SHAFT - FIX. EQUIP. - ANCHOR REEL CRANK

OPP. HAND

DWG. SIZE B 28H079

28H0

Dietzgen-Gebhardt Co., Inc. Buffalo — Imperial Tracing Cloth


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
D | TRACED UP TO DATE | 8-2-37
E | 3/16 DRILL THRU BUSHING WAS #44. | 5-2-40
F | REMOVED NOTE: "AL. ALLOY CASTING, SPEC. M-186 (AL. CO'S 220-T-A) H.T. 42,000#/□." ADD. NOTE: "MATERIAL MAY - - - T.S. 32,000 P.S.I." NO WT. CHG. | 9-18-43 | LARSEN
REAM 1.000±.001 FOR Q632-B28-24 BUSHING
21/64 DRILL THRU -2
CSK 110° x 13/32
1/8 PIPE TAP
AFTER ASS'Y OF -2 & BUSHING DRILL 3/16 HOLE IN BUSHING
E
#30 (.128) DRILL 6 HOLES
DISC GRIND
1 1/4 DIA.
1 5/16 DIA. C'BORE
BEVEL 1/16 x 45°
DISC GRIND
#10 (.193) DRILL 2 HOLES
2
FINISH CODE
NOTE:
F
1- MATERIAL MAY BE:
(A) AL. ALLOY CASTING, 220T4, SPEC. AN-QQ-A-392, T.S. 42,000 P.S.I., OR
(B) AL. ALLOY CASTING, 195T6, SPEC. AN-QQ-A-390, CL. II, T.S. 32,000 P.S.I.
28-5AM, AN | 28H1026 | 1 EA.
28-5ME, MN. | 28H1026 | 1 EA.
28-5MA, MC | 28H1026 | 1 EA.
PBY-5A & B | 28H1026 | 1 EA.
PBY-5 | 28H1026 | 1
PBY-4 | 28H1026
PBY-3 | 28H1026
PBY-2 | 28H1026
PBY-1 | 28H1026
XP3Y-1 | 28H074 | 1
Q632-B28-24 | 1
-2 | 1
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
APPROVED
DATE
CALC. WT.
ACT. WT.
O.H.
MODEL
NEXT ASSY.
REQ.
ST'D PARTS
REQ.
PART NO.
LH
RH
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
SCALE
AC
NAVY NOTED
NOTED
NOTED
Z-3GP
MATERIAL
SPEC.
HEAT TREAT
FINISH
R.C.S.
6-10-37
DRAFT
CHECK
EXAM.
ENG.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
NAME BEARING - (FIXED EQUIP.) - ANCHOR REEL CRANKSHAFT (INNER)
DWG. 28H080
STAMP PT. No. WHERE SHOWN
28H080

NOTE-
MAT'L. FOR -0 & -2 MAY BE-
(A) STAINLESS STEEL BAR, SPEC. AN-QQ-S-771, COMP. FM, COND. B, OR
(B) STAINLESS STEEL BAR, SPEC. AN-QQ-S-771, COMP. G, COND. A.

LET	ALTERATION	DATE	BY
A	BROUGHT TO DATE & TRACED	2-14-35	F.D.T.
B	ADDED -2 DIMENSIONS	5-8-36	G.R.
C	CHG'D NAVY SPEC. FROM 1H TO 1C	1-19-37	SMITH
D	ADDED PBY-2, PBY-3 REQ.	4-14-37	SZAKAS
E	DIM. .498 $^{+.000}_{-.005}$ WAS 1/2 NO WT. CHG.	3-24-42	MANSON
F	DIM. "A" 2 WAS 1 9/16 & DIM. "B" 1 1/2		
	WAS 1 7/8. NO WT. CHG.	10-24-42	SHANDELL
G	TRACED. DIM. 500 $^{+.000}_{-.005}$ WAS		
	498 $^{+.000}_{-.005}$. NO WT. CHG.	6-2-43	MAIN
H	IN B/M, REPLACED "STAINLESS ST'L.		
	46S18 GR. IC" WITH "NOTED" ADDED		
	MAT'L. NOTE. NO WT. CHG.	10-16-43	Pellett

PART NO.	"A"	"B"
28H097	1 9/16	1
28H097-2	2	1 1/2

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
-2	PBY-5B	28H1035	1
-2	PBY-5A	28H1035	1
-2	PBY-5	28H1035	1
-2	28-5AMN	28H1035	1
-2	28-5AMC	28H1035	1
-2	28-5MN	28H1035	1
-2	28-5ME	28H1035	1
-2	28-5MC	28H1035	1
-2	28-5MA	28H1035	1
-2	PBY-4	28H1035	1
-2	PBY-3	28H1035	1
-2	PBY-2	28H1035	1
-2	PBY-1	28H1035	1
	XP3Y-1	28H036	1
	P2Y-3	28H036	1

REQUIREMENTS PER AIRPLANE

REPLACES 28H097 OF 7-27-34 — -2 = .168, -0 = .136 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART NO.	STOCK	MATERIAL	SPEC.	-0 REQ. LH	-0 REQ. RH	-2 REQ. LH	-2 REQ. RH	-3 REQ. LH	-3 REQ. RH	-4 REQ. LH	-4 REQ. RH	-5 REQ. LH	-5 REQ. RH
	NOTED	NOTED	NOTED	1		1							

PARTS LIST PER ASSY.

AC		R.C.S.	DOLAN			L.C.W.	
NAVY NONE	NONE	7-27-34	2-22-35			6-9-36	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

NAME SCREW-ANCHOR LINE CLAMP LOCK

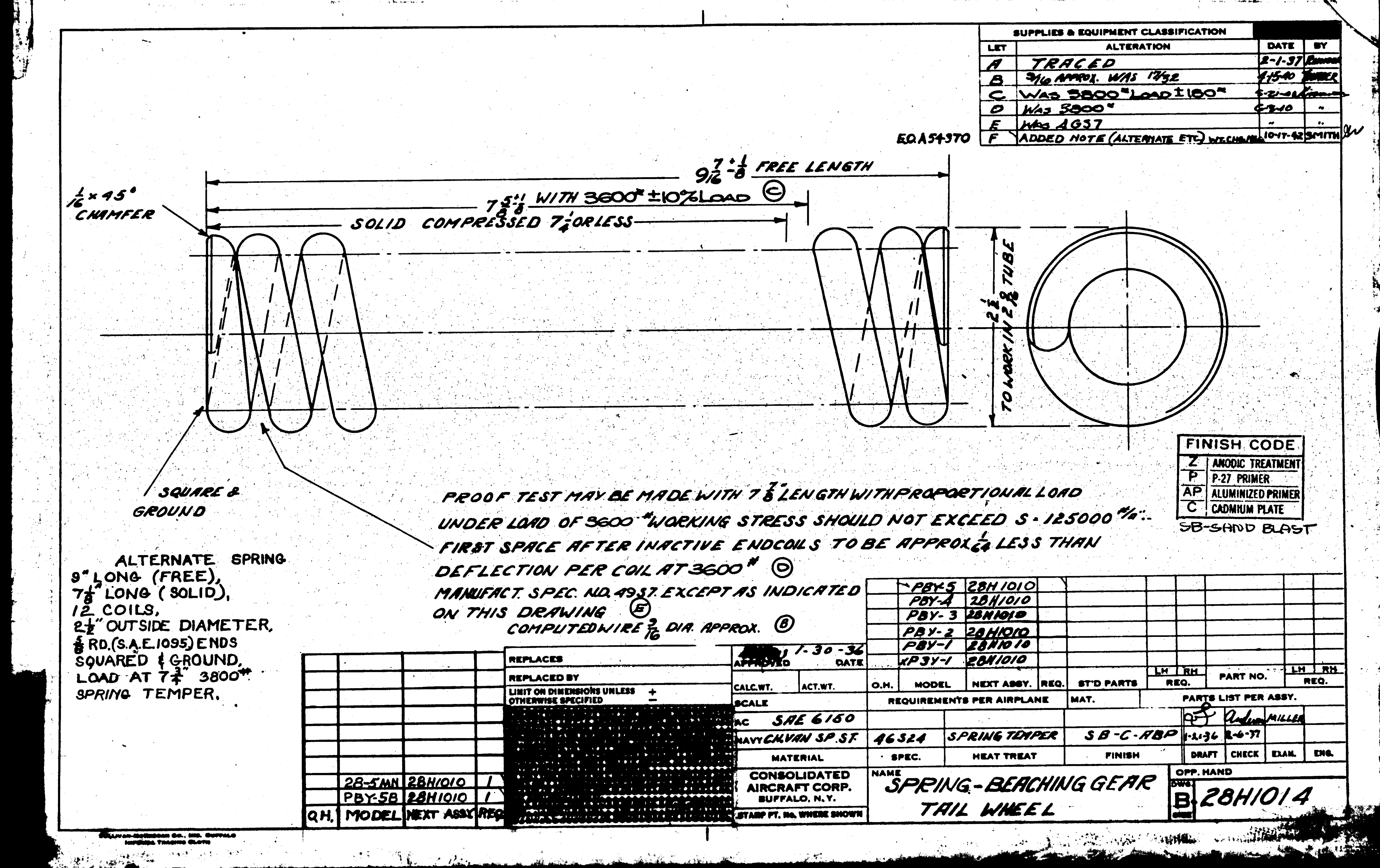
OPP. HAND NONE

DWG. SIZE B — 28H097

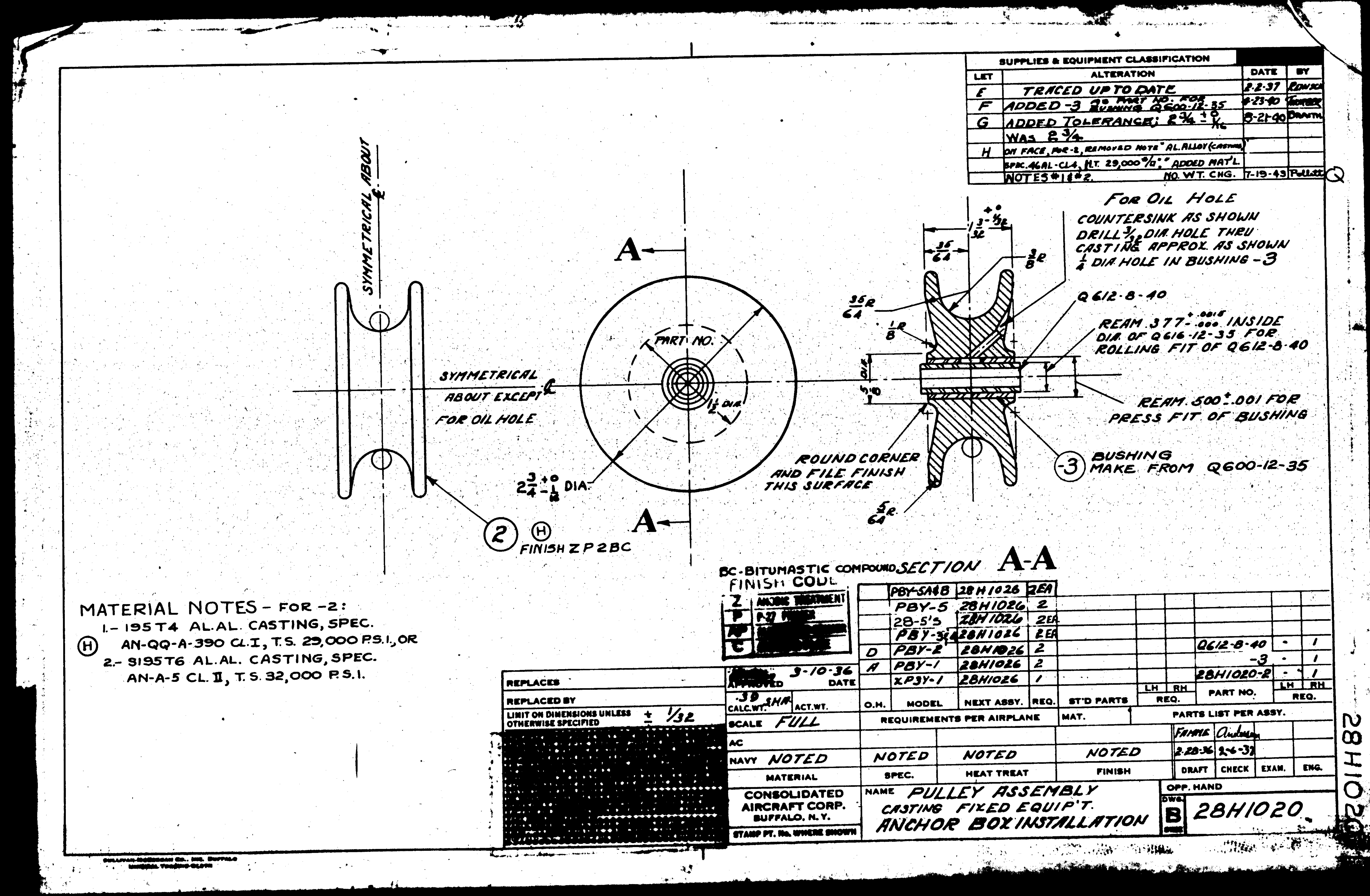
CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.

28H097

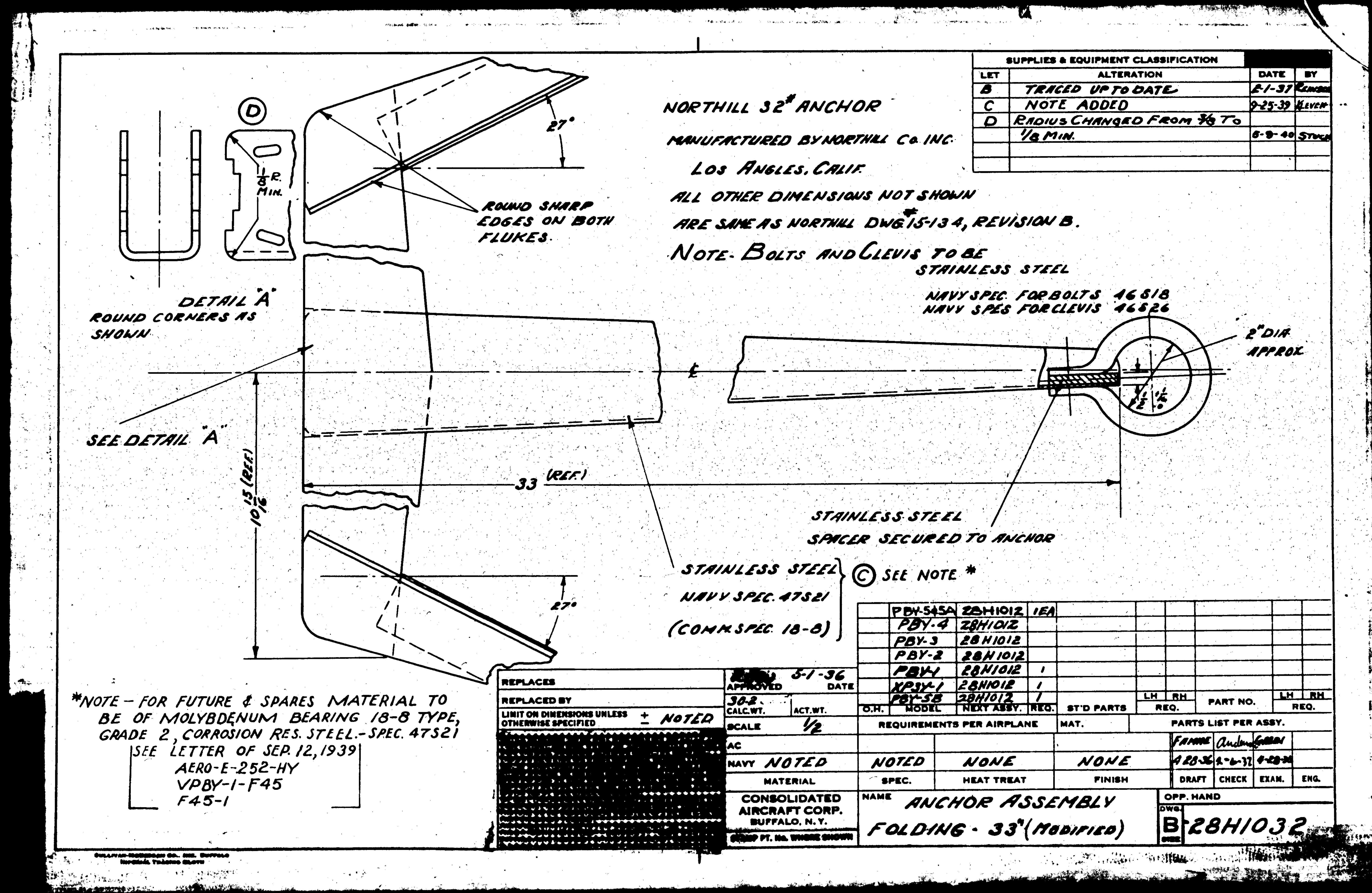
R

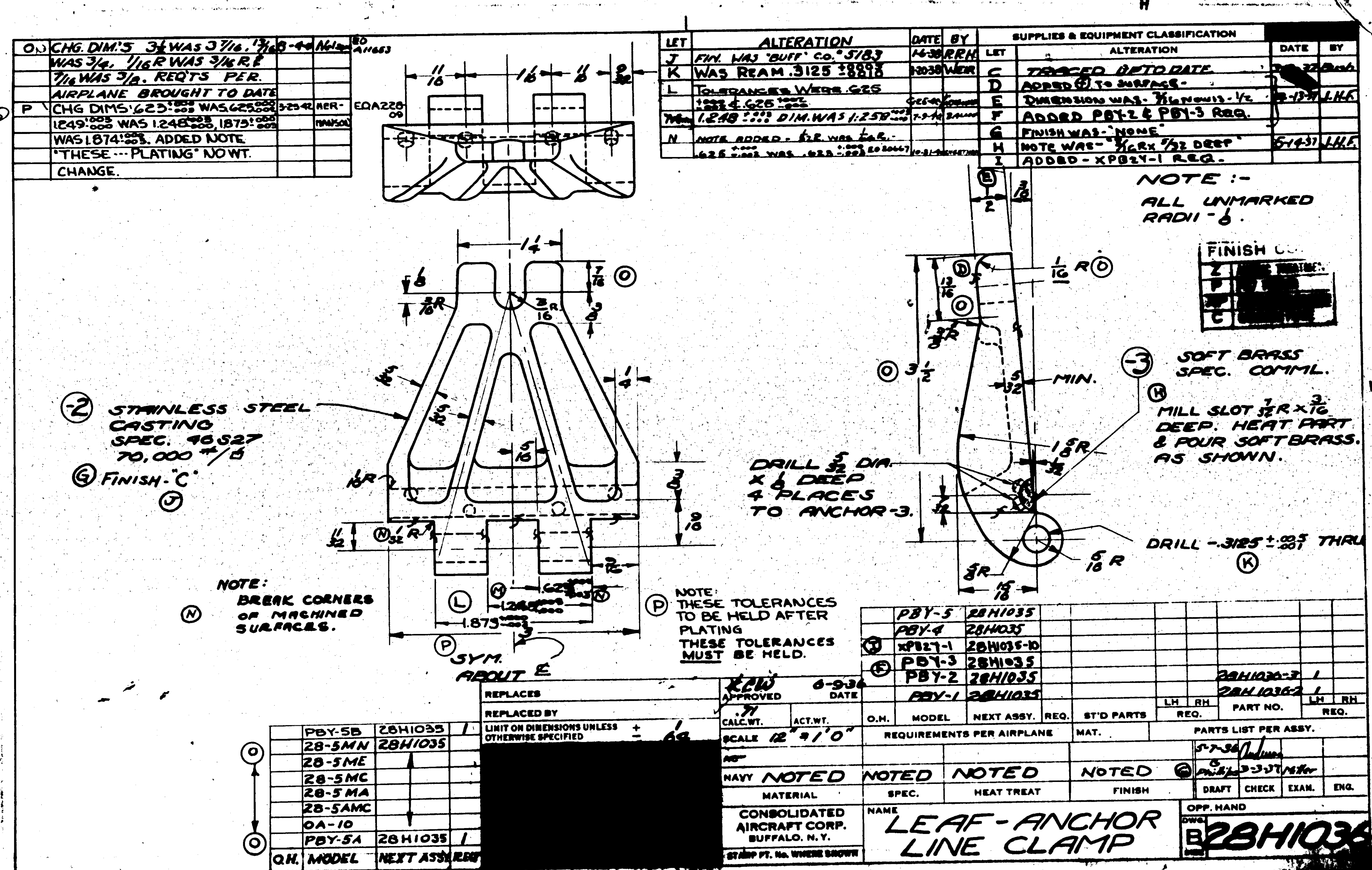


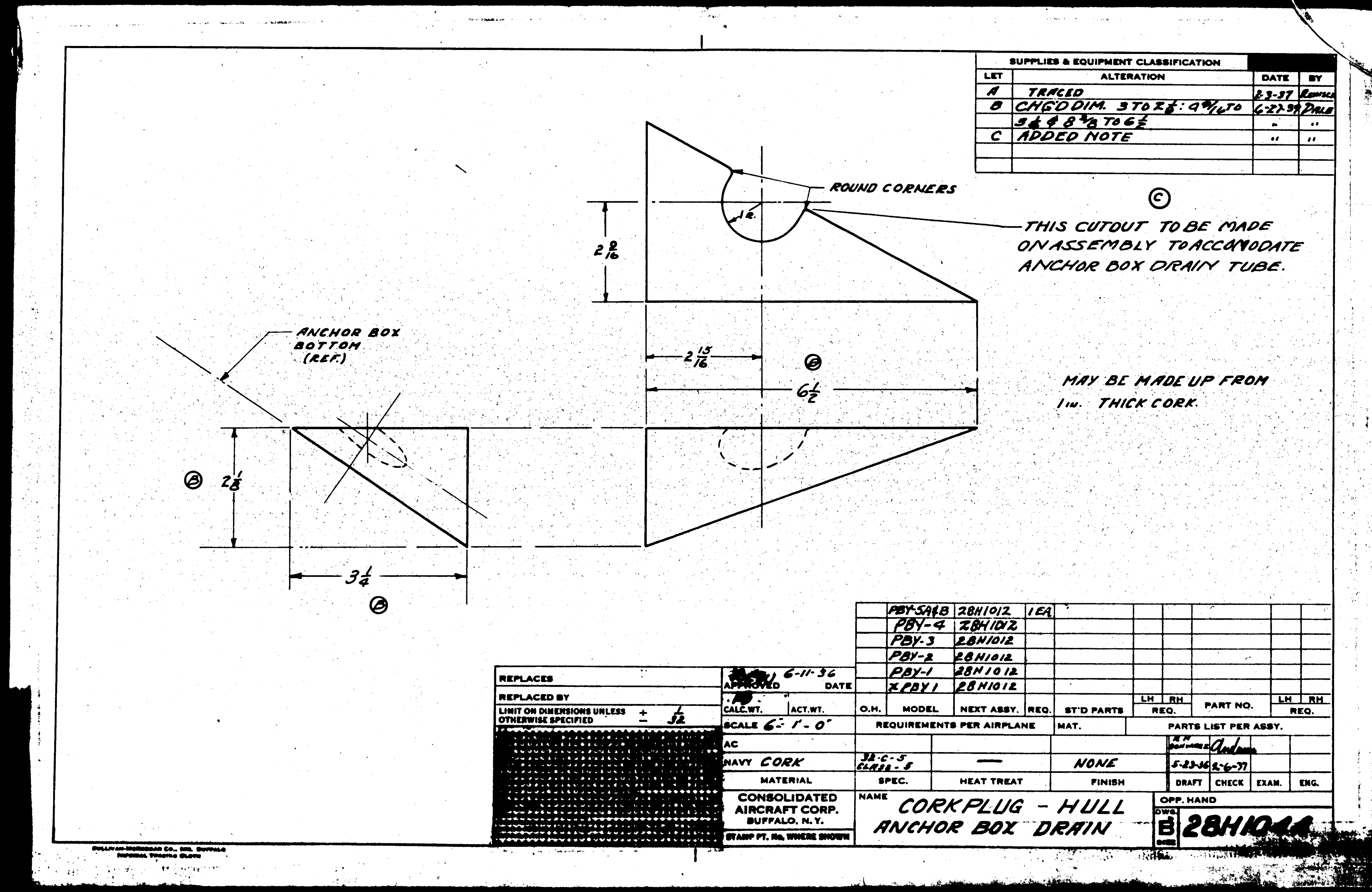
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED | 2-1-37
B | 3/16 APPROX. WAS 17/32 | 4-15-40
C | WAS 3800# LOAD ± 180#
D | WAS 3800#
E | WAS AG37
F | ADDED NOTE (ALTERNATE ETC.) | 10-17-42 | SMITH
EOA54370
9 7/16 +1/8 -1/8 FREE LENGTH
7 5/8 ±1 WITH 3600# ±10% LOAD (C)
SOLID COMPRESSED 7 1/4 OR LESS
1/16 × 45° CHAMFER
SQUARE & GROUND
2 1/2 TO WORK IN 2 7/8 TUBE
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
SB-SAND BLAST
PROOF TEST MAY BE MADE WITH 7 5/8" LENGTH WITH PROPORTIONAL LOAD
UNDER LOAD OF 3600# WORKING STRESS SHOULD NOT EXCEED S - 125000 #/□"
FIRST SPACE AFTER INACTIVE ENDCOILS TO BE APPROX 1/64 LESS THAN
DEFLECTION PER COIL AT 3600# (D)
MANUFACT. SPEC. NO. 4937 EXCEPT AS INDICATED
ON THIS DRAWING (E)
COMPUTED WIRE 3/16 DIA. APPROX. (B)
ALTERNATE SPRING
9" LONG (FREE),
7 1/8" LONG (SOLID),
12 COILS,
2 1/2" OUTSIDE DIAMETER,
5/8 RD. (S.A.E. 1095) ENDS
SQUARED & GROUND,
LOAD AT 7 3/4" 3800#
SPRING TEMPER.
PBY-5 28H1010
PBY-4 28H1010
PBY-3 28H1010
PBY-2 28H1010
PBY-1 28H1010
XP3Y-1 28H1010
1-30-36 APPROVED DATE
O.H. MODEL NEXT ASSY. REQ. STD PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
28-5MN 28H1010 1
PBY-5B 28H1010 1
Q.H. MODEL NEXT ASSY REQ
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED +/−
CALC.WT. ACT.WT.
SCALE
AC SAE 6150
NAVY CH.VAN SP.ST. 46324 SPRING TEMPER SB-C-ABP
MATERIAL SPEC. HEAT TREAT FINISH
1-21-36 2-6-37 MILLER
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME SPRING - BEACHING GEAR TAIL WHEEL
OPP. HAND
DWG. B 28H1014

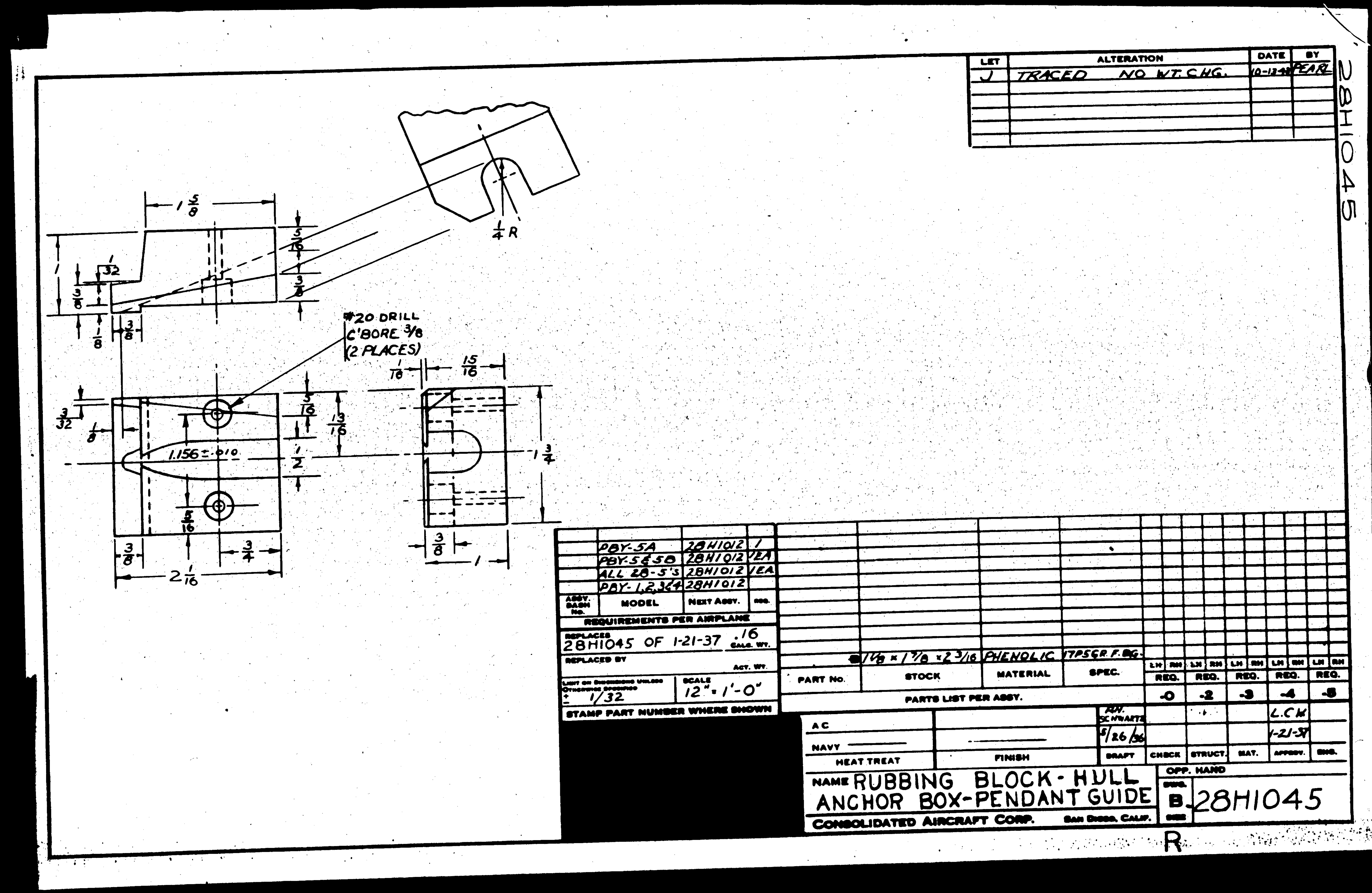


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
E | TRACED UP TO DATE | 2-2-37
F | ADDED -3 AS PART NO. FOR BUSHING Q600-12-35 | 8-23-40
G | ADDED TOLERANCE; 2 3/4 +0 -1/16 WAS 2 3/4 | 8-21-40
H | ON FACE, FOR -2, REMOVED NOTE "AL.ALLOY (CASTING) SPEC. 46AL-CL4, H.T. 29,000 #/□" ADDED MAT'L. NOTES #1 & #2. NO. WT. CHG. | 7-19-43
SYMMETRICAL ABOUT ℄
SYMMETRICAL ABOUT EXCEPT ℄ FOR OIL HOLE
A
A
PART NO.
1 1/2 DIA.
2 3/4 +0 -1/16 DIA.
2
H
FINISH ZP2BC
FOR OIL HOLE
COUNTERSINK AS SHOWN
DRILL 3/32 DIA. HOLE THRU CASTING APPROX. AS SHOWN
1/4 DIA. HOLE IN BUSHING -3
35/64
1 3/32 +0 -1/32
3/8 R
35/64 R
1/8 R
Q612-8-40
REAM .377 +.0015 -.000 INSIDE DIA. OF Q616-12-35 FOR ROLLING FIT OF Q612-8-40
REAM .500 ±.001 FOR PRESS FIT OF BUSHING
ROUND CORNER AND FILE FINISH THIS SURFACE
5/64 R
-3
BUSHING MAKE FROM Q600-12-35
SECTION A-A
BC-BITUMASTIC COMPOUND
FINISH CODE
Z [redacted]
P [redacted]
AP [redacted]
C [redacted]
MATERIAL NOTES - FOR -2:
1.- 195T4 AL.AL. CASTING, SPEC.
H AN-QQ-A-390 CL.I, T.S. 29,000 P.S.I., OR
2.- S195T6 AL.AL. CASTING, SPEC.
AN-A-5 CL. II, T.S. 32,000 P.S.I.
PBY-5A&B | 28H1026 | 2EA
PBY-5 | 28H1026 | 2
28-5's | 28H1026 | 2EA
PBY-3 | 28H1026 | 2EA
D | PBY-2 | 28H1026 | 2
A | PBY-1 | 28H1026 | 2
XP3Y-1 | 28H1026 | 1
Q612-8-40 | - | 1
-3 | - | 1
28H1020-2 | - | 1
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
[redacted]
APPROVED 9-10-36 DATE
.39 CALC.WT. ACT.WT.
SCALE FULL
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
AC
NAVY NOTED | NOTED | NOTED | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
2-28-36 | 2-6-37
DRAFT | CHECK | EXAM. | ENG.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME PULLEY ASSEMBLY CASTING FIXED EQUIP'T. ANCHOR BOX INSTALLATION
DWG. B SIZE 28H1020
28H1020

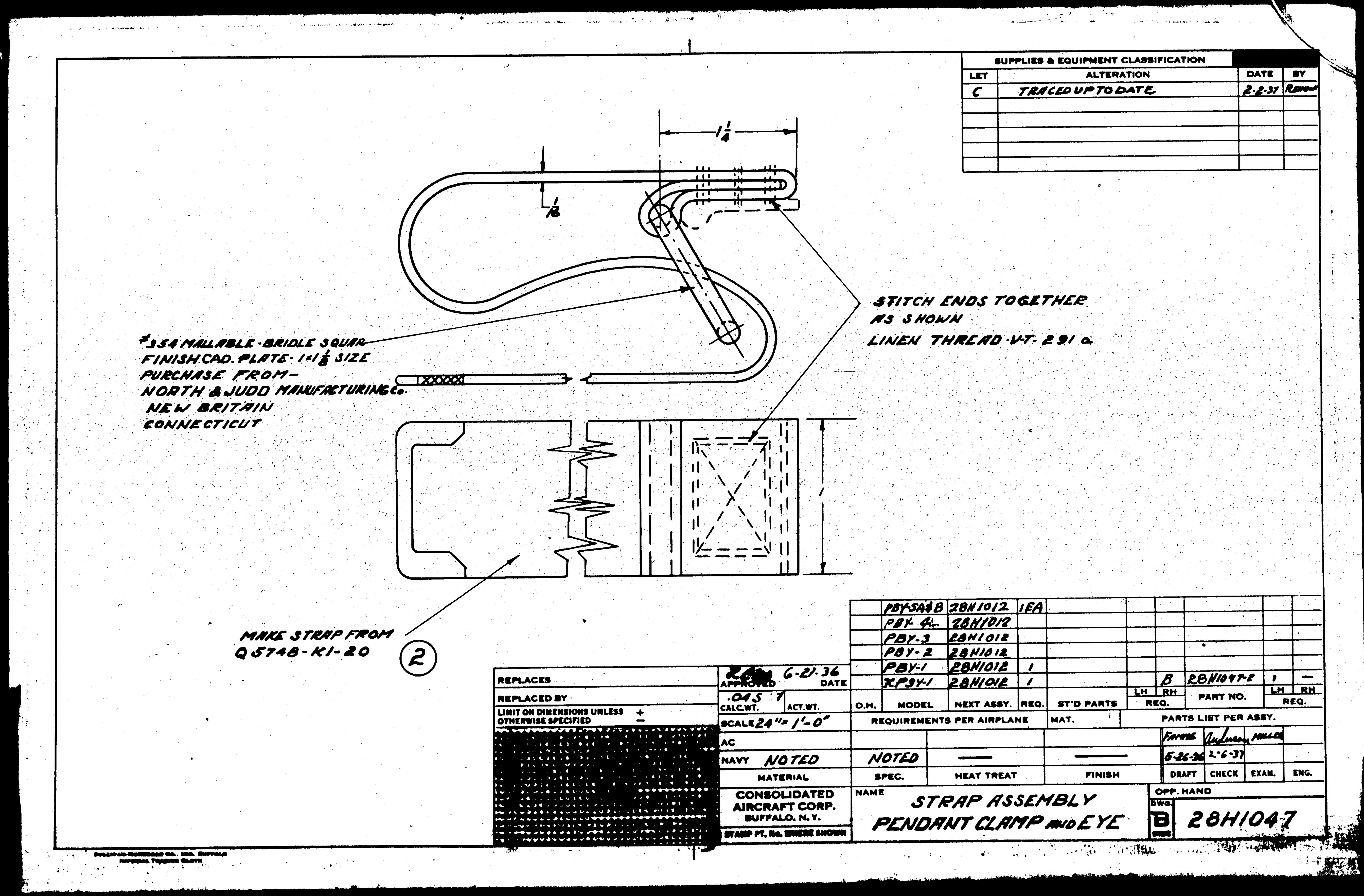

SUPPLIES & EQUIPMENT CLASSIFICATION
LET	ALTERATION	DATE	BY
B	TRACED UP TO DATE	2-1-37	
C	NOTE ADDED	9-25-39	
D	RADIUS CHANGED FROM 3/8 TO 1/8 MIN.	5-9-40	
NORTHILL 32# ANCHOR
MANUFACTURED BY NORTHILL Co. INC.
LOS ANGLES, CALIF.
ALL OTHER DIMENSIONS NOT SHOWN
ARE SAME AS NORTHILL DWG. #15-134, REVISION B.
NOTE- BOLTS AND CLEVIS TO BE
STAINLESS STEEL
NAVY SPEC. FOR BOLTS 46S18
NAVY SPES FOR CLEVIS 46S26
2" DIA APPROX.
D
1/8 R. MIN.
27°
ROUND SHARP EDGES ON BOTH FLUKES
DETAIL "A"
ROUND CORNERS AS SHOWN
SEE DETAIL "A"
10 15/16 (REF.)
33 (REF.)
STAINLESS STEEL SPACER SECURED TO ANCHOR
STAINLESS STEEL
NAVY SPEC. 47S21
(COMM. SPEC. 18-8)
C SEE NOTE *
*NOTE - FOR FUTURE & SPARES MATERIAL TO BE OF MOLYBDENUM BEARING 18-8 TYPE, GRADE 2, CORROSION RES. STEEL.- SPEC. 47S21
SEE LETTER OF SEP. 12, 1939
AERO-E-252-HY
VPBY-1-F45
F45-1
MODEL	NEXT ASSY.	REQ.
PBY-5A	28H1012	1EA
PBY-4	28H1012	
PBY-3	28H1012	
PBY-2	28H1012	
PBY-1	28H1012	1
XP3Y-1	28H1012	1
PBY-5B	28H1012	1
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± NOTED
APPROVED 5-1-36 DATE
30.2 CALC. WT.
ACT. WT.
SCALE 1/2
O.H.
ST'D PARTS
LH RH REQ.
PART NO.
LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
AC
NAVY NOTED
NOTED
NONE
NONE
MATERIAL
SPEC.
HEAT TREAT
FINISH
4-28-36
2-6-37
4-28-36
DRAFT
CHECK
EXAM.
ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME ANCHOR ASSEMBLY FOLDING - 33" (MODIFIED)
OPP. HAND
DWG. B 28H1032

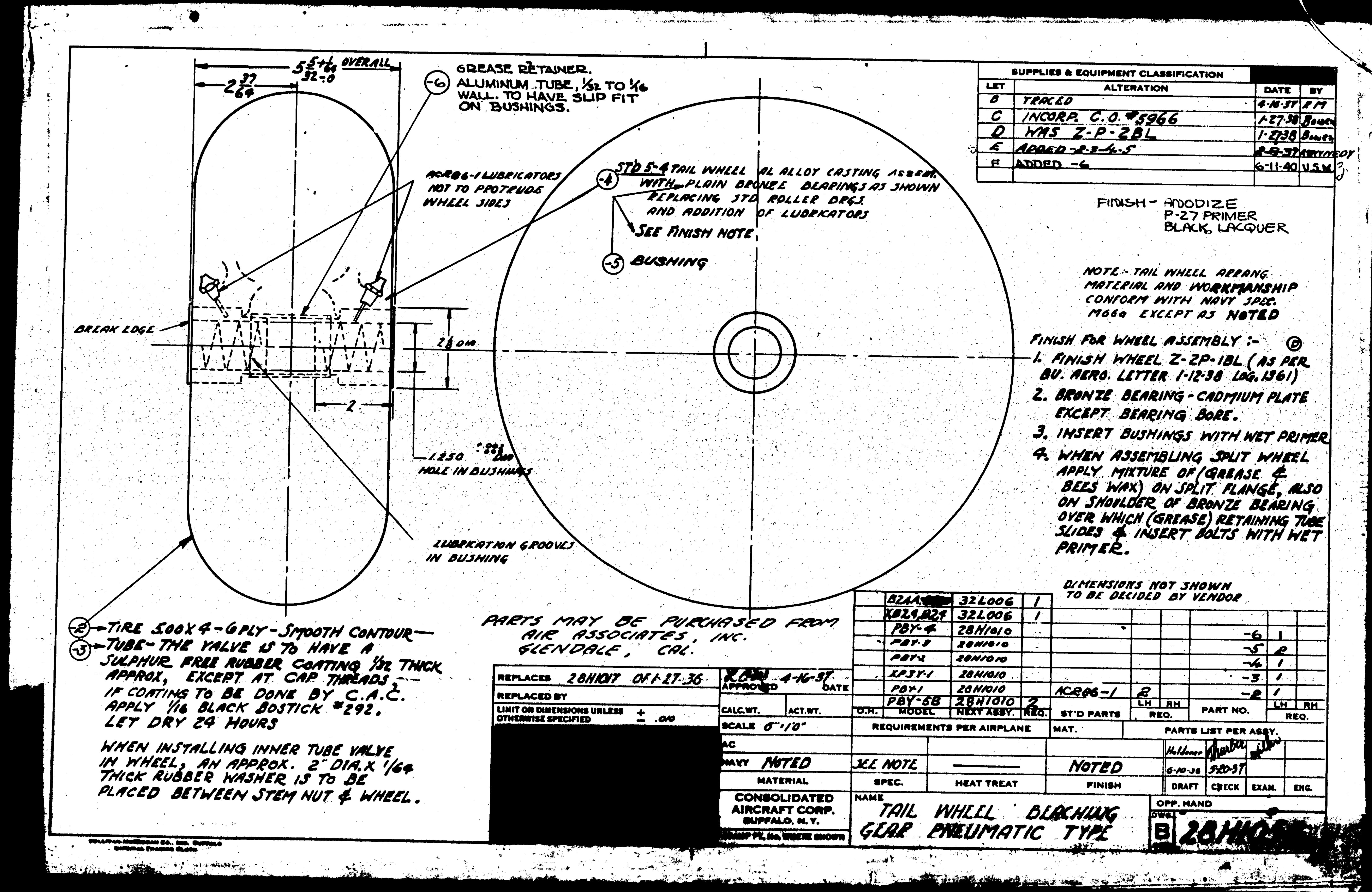

CHG. DIM'S 3¼ WAS 3 7/16, 1 1/8 WAS 3/4, 1/16 R WAS 3/16 R, 7/16 WAS 3/8. REQ'TS PER. AIRPLANE BROUGHT TO DATE
CHG DIMS .623 WAS .625, 1.249 WAS 1.248, 1.875 WAS 1.874. ADDED NOTE "THESE --- PLATING" NO WT. CHANGE.
EQA228-09
LET
ALTERATION
DATE
BY
J FIN. WAS "BUFF" CO. 5183
K WAS REAM .3125
L TOLERANCES WERE .625
M 1.248 DIM. WAS 1.258
N NOTE ADDED - 1/32 R. WAS 1/16 R. .625 WAS .623
SUPPLIES & EQUIPMENT CLASSIFICATION
C TRACED UP TO DATE.
D ADDED Ⓓ TO SURFACE.
E DIMENSION WAS 3/16, NOW 13-1/2
F ADDED PBY-2 & PBY-3 REQ.
G FINISH WAS "NONE"
H NOTE WAS - 3/16 R X 5/32 DEEP
I ADDED - XPB2Y-1 REQ.
NOTE :- ALL UNMARKED RADII - 1/8.
FINISH
[redacted]
-2 STAINLESS STEEL CASTING SPEC. 46S27 70,000 #/□
Ⓖ FINISH-"C"
Ⓙ
-3 SOFT BRASS SPEC. COMML.
Ⓗ MILL SLOT 7/32 R X 3/16 DEEP. HEAT PART & POUR SOFT BRASS. AS SHOWN.
DRILL 5/32 DIA. X 1/8 DEEP 4 PLACES TO ANCHOR-3.
DRILL - .3125 THRU Ⓚ
MIN.
NOTE: BREAK CORNERS OF MACHINED SURFACES. Ⓝ
Ⓟ NOTE: THESE TOLERANCES TO BE HELD AFTER PLATING. THESE TOLERANCES MUST BE HELD.
SYM. ABOUT ℄
1.873
1.248
.625
PBY-5 28H1035
PBY-4 28H1035
XPB2Y-1 28H1035-10
PBY-3 28H1035
PBY-2 28H1035
PBY-1 28H1035
28H1036-3 1
28H1036-2 1
O.H. MODEL NEXT ASSY. REQ. STD PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
PBY-5B 28H1035 1
28-5MN 28H1035
28-5ME
28-5MC
28-5MA
28-5AMC
OA-10
PBY-5A 28H1035 1
O.H. MODEL NEXT ASSY. REQ.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64
[redacted]
APPROVED 6-9-36 DATE
CALC. WT. .71 ACT. WT.
SCALE 12" = 1'0"
NAVY NOTED NOTED NOTED NOTED
MATERIAL SPEC. HEAT TREAT FINISH
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME LEAF-ANCHOR LINE CLAMP
OPP. HAND
DWG. B 28H1036


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED | 2-3-37
B | CHG'D DIM. 3 TO 2 1/8 : 9 3/16 TO 3 1/4 & 8 3/8 TO 6 1/2 | 6-27-37 | DALE
C | ADDED NOTE
ROUND CORNERS
1R.
THIS CUTOUT TO BE MADE ON ASSEMBLY TO ACCOMODATE ANCHOR BOX DRAIN TUBE.
2 9/16
2 15/16
6 1/2
MAY BE MADE UP FROM 1 in. THICK CORK.
ANCHOR BOX BOTTOM (REF.)
2 1/8
3 1/4
PBY-5A&B 28H1012 1EA
PBY-4 28H1012
PBY-3 28H1012
PBY-2 28H1012
PBY-1 28H1012
PBY1 28H1012
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
APPROVED 6-11-36 DATE
CALC.WT. ACT.WT.
SCALE 6" - 1'-0"
AC
NAVY CORK
MATERIAL
32-C-5 CLASS - 5
SPEC.
HEAT TREAT
NONE
FINISH
5-23-36 2-6-37
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME CORKPLUG - HULL ANCHOR BOX DRAIN
OPP. HAND
DWG. B 28H1011

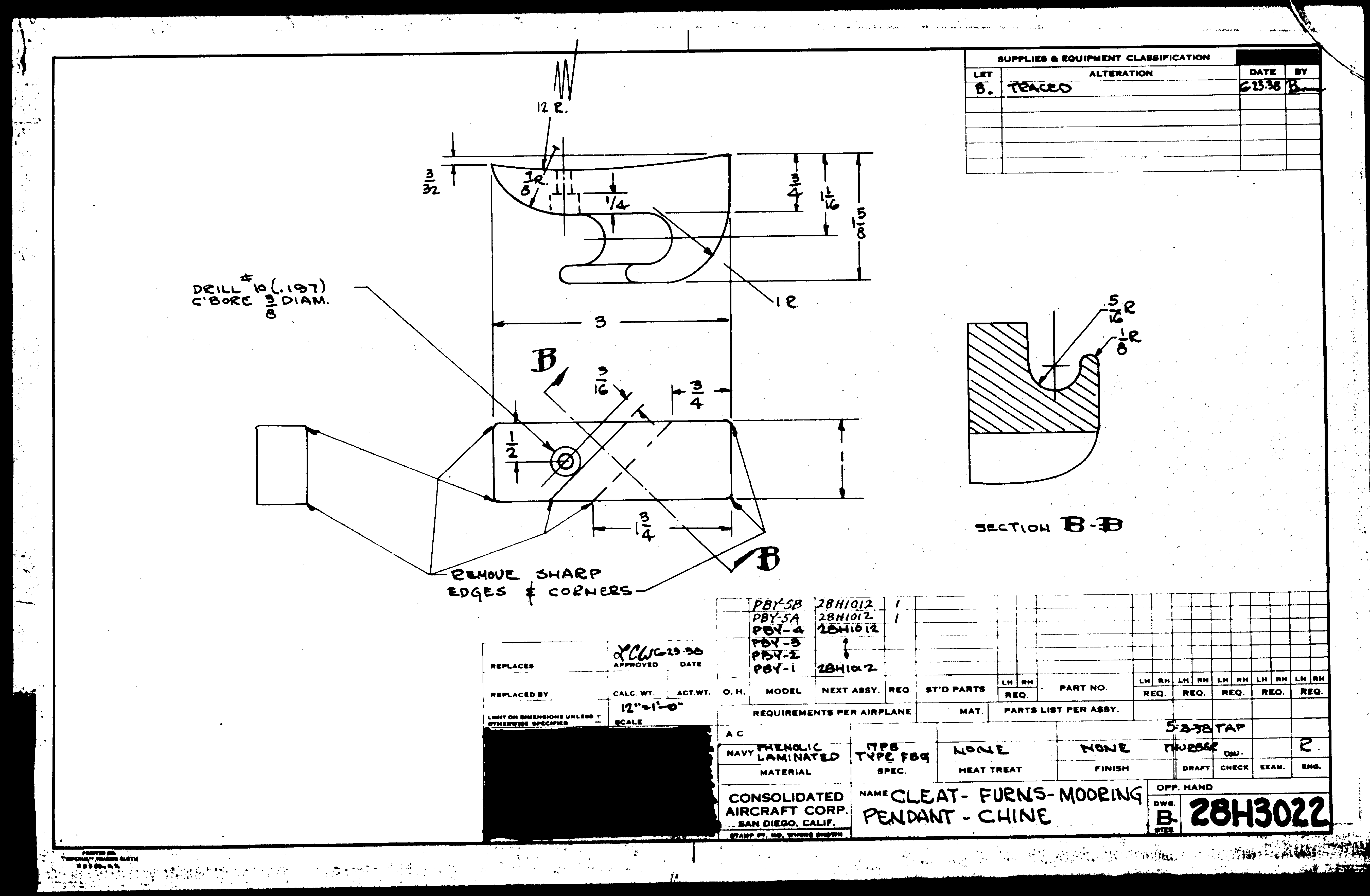


28H1045
LET | ALTERATION | DATE | BY
J | TRACED NO WT. CHG. | 10-13-48 | PEARL
#20 DRILL
C'BORE 3/8
(2 PLACES)
1.156 ± .010
1/4 R
PBY-5A | 28H1012 | 1
PBY-5 & 5B | 28H1012 | 1 EA
ALL 28-5'S | 28H1012 | 1 EA
PBY-1,2,3 & 4 | 28H1012
ASSY. DASH No. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES 28H1045 OF 1-21-37
.16 CALC. WT.
REPLACED BY
ACT. WT.
SCALE 12" = 1'-0"
± 1/32
STAMP PART NUMBER WHERE SHOWN
1/2 × 1 7/8 × 2 3/16 PHENOLIC 17P5GR.F.BG.
PART No. | STOCK | MATERIAL | SPEC.
PARTS LIST PER ASSY.
REQ. -0 -2 -3 -4 -5
AC
NAVY
HEAT TREAT
FINISH
R.W. SCHWARTZ 5/26/36
DRAFT CHECK STRUCT. MAT. APPROV. ENG.
L.C.H. 1-21-37
OPP. HAND
NAME RUBBING BLOCK-HULL ANCHOR BOX-PENDANT GUIDE
B 28H1045
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R

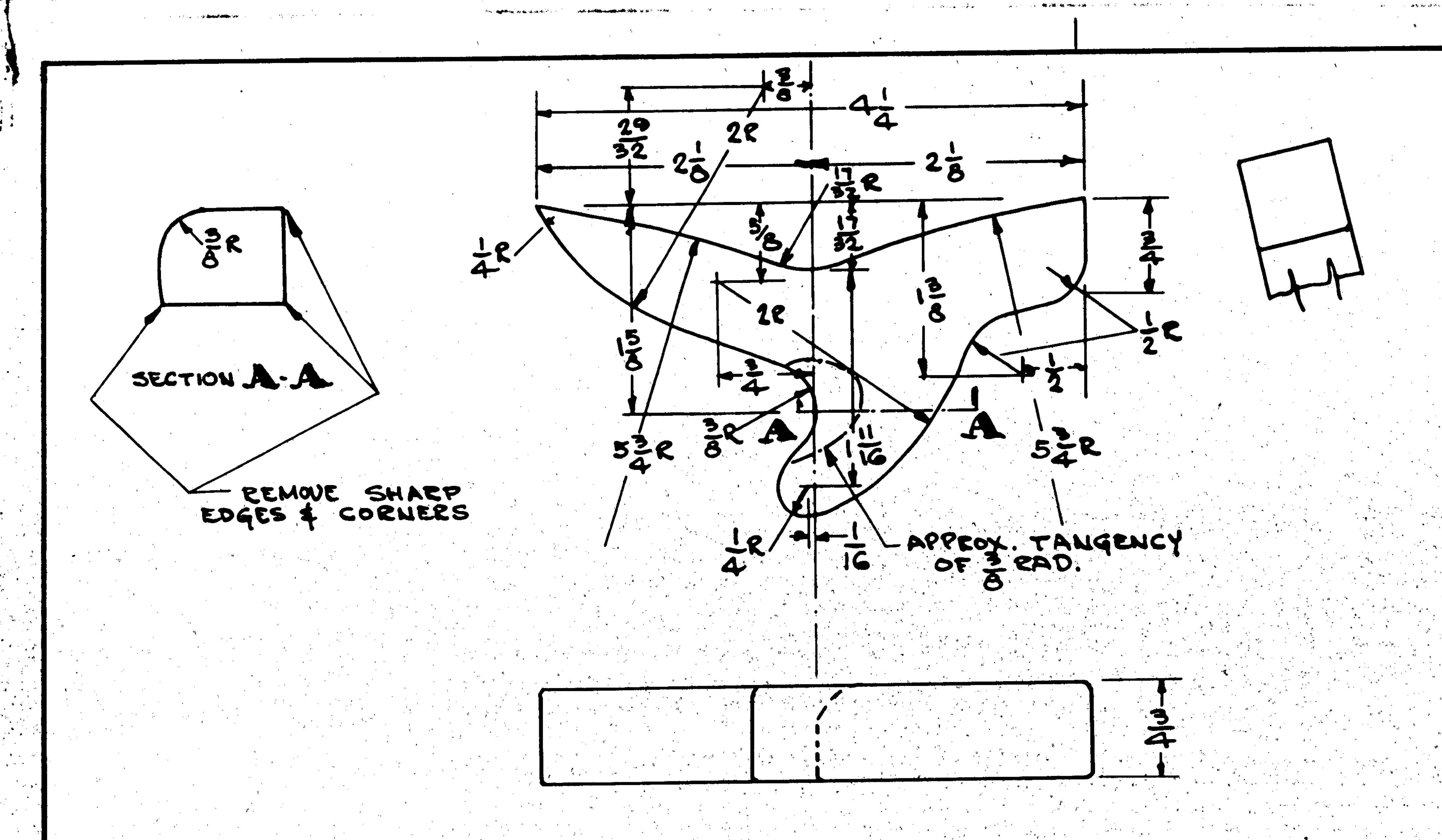

SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
C
TRACED UP TO DATE
2-2-37
1 1/4
1/16
STITCH ENDS TOGETHER
AS SHOWN
LINEN THREAD V-T-291 a.
#354 MALLABLE-BRIDLE SQUAR
FINISH CAD. PLATE-1×1 1/8 SIZE
PURCHASE FROM-
NORTH & JUDD MANUFACTURING Co.
NEW BRITAIN
CONNECTICUT
MAKE STRAP FROM
Q5748-K1-20
2
PBY-5A&B 28H1012 1EA
PBY-4 28H1012
PBY-3 28H1012
PBY-2 28H1012
PBY-1 28H1012 1
XP3Y-1 28H1012 1
B 28H1047-2 1
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
APPROVED 6-21-36 DATE
.04S CALC.WT. ACT.WT.
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
SCALE 24" = 1'-0"
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
AC
NAVY NOTED
NOTED
MATERIAL SPEC. HEAT TREAT FINISH
5-26-36 2-6-37
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N. Y.
STAMP PT. No. WHERE SHOWN
NAME
STRAP ASSEMBLY
PENDANT CLAMP AND EYE
OPP. HAND
DWG. B SIZE
28H1047



5 5/32 +1/64 -0 OVERALL
2 37/64
GREASE RETAINER.
ALUMINUM TUBE, 1/32 TO 1/16 WALL. TO HAVE SLIP FIT ON BUSHINGS.
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B | TRACED | 4-16-37 | R M
C | INCORP. C.O. #5966 | 1-27-38 | Bowen
D | WAS Z-P-2BL | 1-27-38 | Bowen
E | ADDED -2-3-4-5 | 2-8-39 | KENNEDY
F | ADDED -6 | 6-11-40 | U.S.M.
ACR86-1 LUBRICATORS NOT TO PROTRUDE WHEEL SIDES
STD 5-4 TAIL WHEEL AL ALLOY CASTING ASSEM. WITH PLAIN BRONZE BEARINGS AS SHOWN REPLACING STD ROLLER BRGS. AND ADDITION OF LUBRICATORS
SEE FINISH NOTE
-5 BUSHING
FINISH - ANODIZE
P-27 PRIMER
BLACK LACQUER
NOTE:- TAIL WHEEL ARRANG. MATERIAL AND WORKMANSHIP CONFORM WITH NAVY SPEC. M66a EXCEPT AS NOTED
BREAK EDGE
2.0 DIA
2
1.250 +.002 -.001 DIA HOLE IN BUSHINGS
FINISH FOR WHEEL ASSEMBLY :- (D)
1. FINISH WHEEL Z-2P-1BL (AS PER BU. AERO. LETTER 1-12-38 LOG. 1361)
2. BRONZE BEARING - CADMIUM PLATE EXCEPT BEARING BORE.
3. INSERT BUSHINGS WITH WET PRIMER
4. WHEN ASSEMBLING SPLIT WHEEL APPLY MIXTURE OF (GREASE & BEES WAX) ON SPLIT FLANGE, ALSO ON SHOULDER OF BRONZE BEARING OVER WHICH (GREASE) RETAINING TUBE SLIDES & INSERT BOLTS WITH WET PRIMER.
LUBRICATION GROOVES IN BUSHING
DIMENSIONS NOT SHOWN TO BE DECIDED BY VENDOR
-2 TIRE 5.00X4-6PLY-SMOOTH CONTOUR-
-3 TUBE- THE VALVE IS TO HAVE A SULPHUR FREE RUBBER COATING 1/32 THICK APPROX, EXCEPT AT CAP THREADS.
IF COATING TO BE DONE BY C.A.C. APPLY 1/16 BLACK BOSTICK #292. LET DRY 24 HOURS
WHEN INSTALLING INNER TUBE VALVE IN WHEEL, AN APPROX. 2" DIA.X 1/64 THICK RUBBER WASHER IS TO BE PLACED BETWEEN STEM NUT & WHEEL.
PARTS MAY BE PURCHASED FROM AIR ASSOCIATES, INC. GLENDALE, CAL.
MODEL | NEXT ASSY. | REQ.
B24A | 32L006 | 1
XB24,B24 | 32L006 | 1
PBY-4 | 28H1010 |
PBY-3 | 28H1010 |
PBY-2 | 28H1010 |
XP3Y-1 | 28H1010 |
PBY-1 | 28H1010 |
PBY-5B | 28H1010 | 2
ST'D PARTS: ACR86-1 | 2
PART NO. | LH REQ.
-6 | 1
-5 | 2
-4 | 1
-3 | 1
-2 | 1
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASSY.
REPLACES 28H1017 OF 1-27-36
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
APPROVED 4-16-37 DATE
CALC.WT. ACT.WT.
SCALE 6"=1'0"
NAVY NOTED | SEE NOTE | — | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
6-10-36 | 5-20-37
DRAFT | CHECK | EXAM. | ENG.
[redacted]
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
NAME TAIL WHEEL BEACHING GEAR PNEUMATIC TYPE
OPP. HAND
DWG. B 28H10



SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
B. TRACED 6-23-38
12 R.
3/32
1/8 R.
1/4
3/4
1 1/16
1 5/8
1 R.
DRILL #10 (.197) C'BORE 3/8 DIAM.
3
B
3/16
3/4
1/2
1 3/4
REMOVE SHARP EDGES & CORNERS
5/16 R
1/8 R
SECTION B-B
PBY-5B 28H1012 1
PBY-5A 28H1012 1
PBY-4 28H1012
PBY-3
PBY-2
PBY-1 28H1012
REPLACES
LCW 6-23-38
APPROVED
DATE
REPLACED BY
CALC. WT.
ACT. WT.
O. H.
MODEL
NEXT ASSY.
REQ.
ST'D PARTS
LH RH REQ.
PART NO.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
12" = 1'-0"
SCALE
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
[redacted]
A C
NAVY
PHENOLIC LAMINATED
MATERIAL
17P8 TYPE FBG
SPEC.
NONE
HEAT TREAT
NONE
FINISH
5-3-38 TAP
THURBER DW.
R.
DRAFT
CHECK
EXAM.
ENG.
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN
NAME CLEAT - FURNS - MOORING PENDANT - CHINE
OPP. HAND
DWG. SIZE B
28H3022



NOTE: ALL CORNERS ROUNDED APPROX 3/16 R EXCEPT AS NOTED

SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
A	TRACED	6-23-38	Brown

MODEL	NEXT ASSY.	REQ.
PBY-5B	28H1012	1
PBY-5A	28H1012	1
PBY-4	28H1012	
PBY-3	↕	
PBY-2	↕	
PBY-1	28H1012	

REQUIREMENTS PER AIRPLANE

REPLACES	LCW 6-23-38 APPROVED DATE
REPLACED BY	CALC. WT. / ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±	12" = 1'-0" SCALE

[redacted]

MATERIAL	SPEC.	HEAT TREAT	FINISH
NAVY PHENOLIC LAMINATED	17P5 TYPE FBG	NONE	NONE

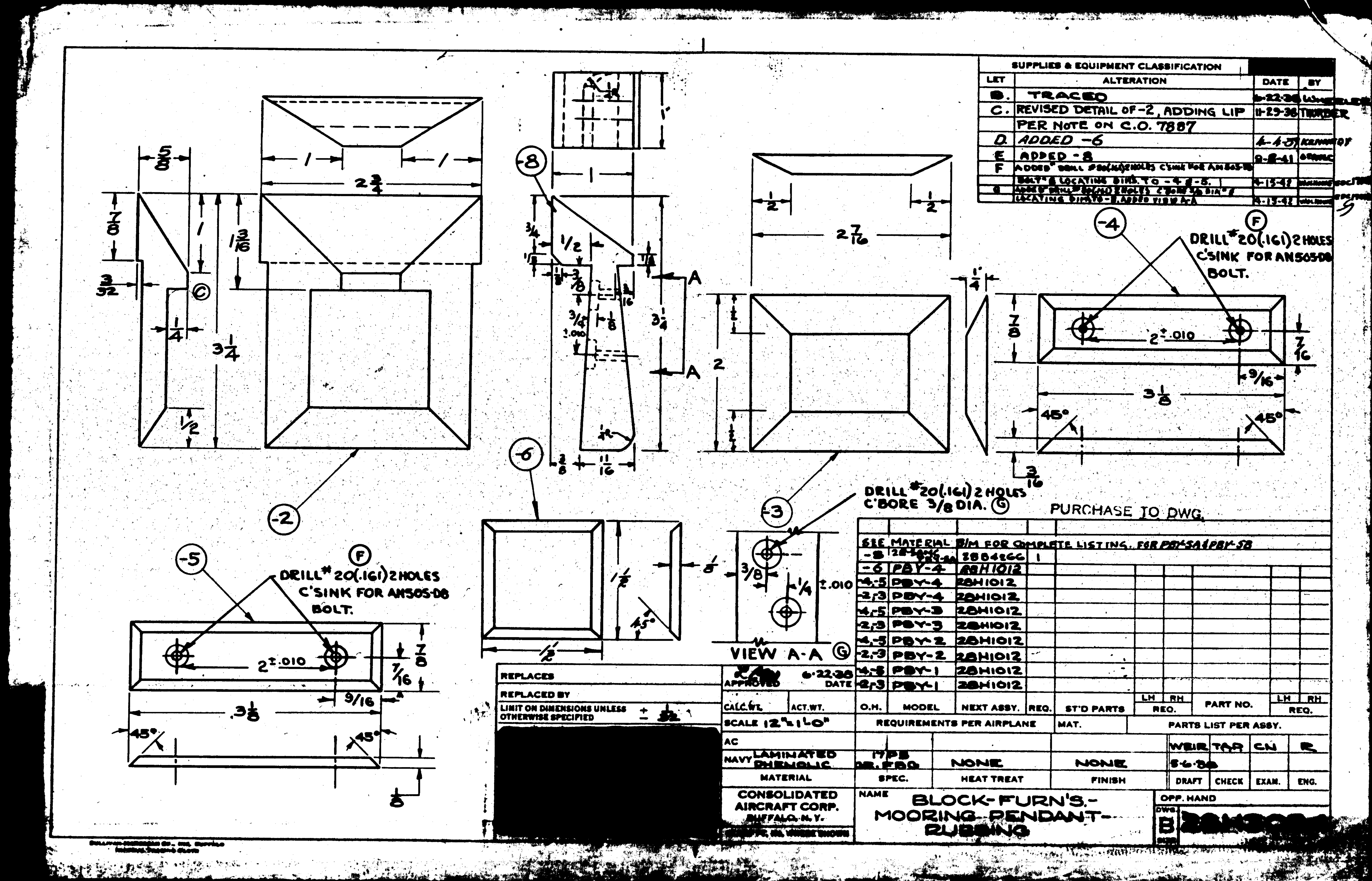
DRAFT	CHECK	EXAM.	ENG.
5-3-38 JAP. / THURBER	CW		R

OPP. HAND —

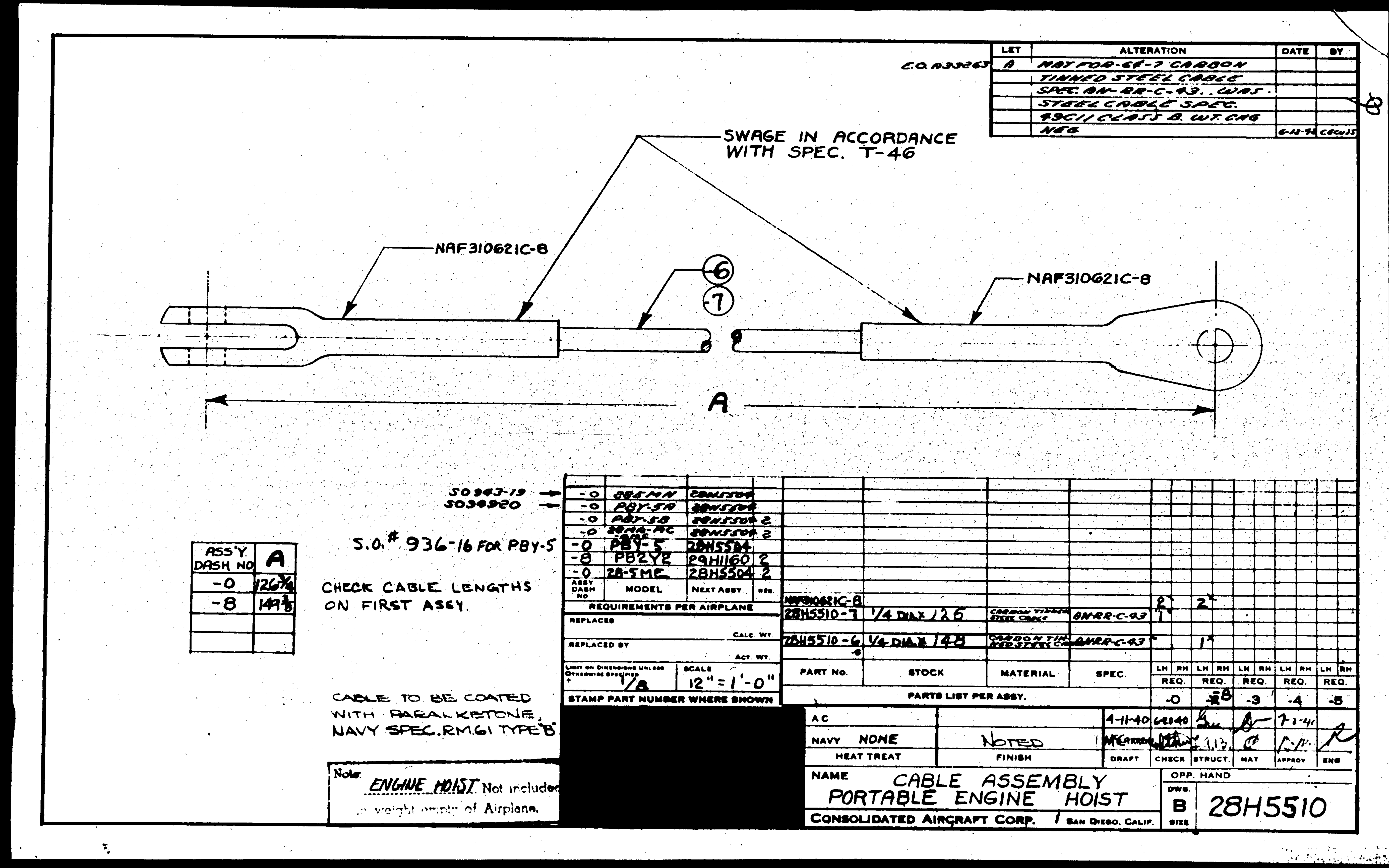
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.

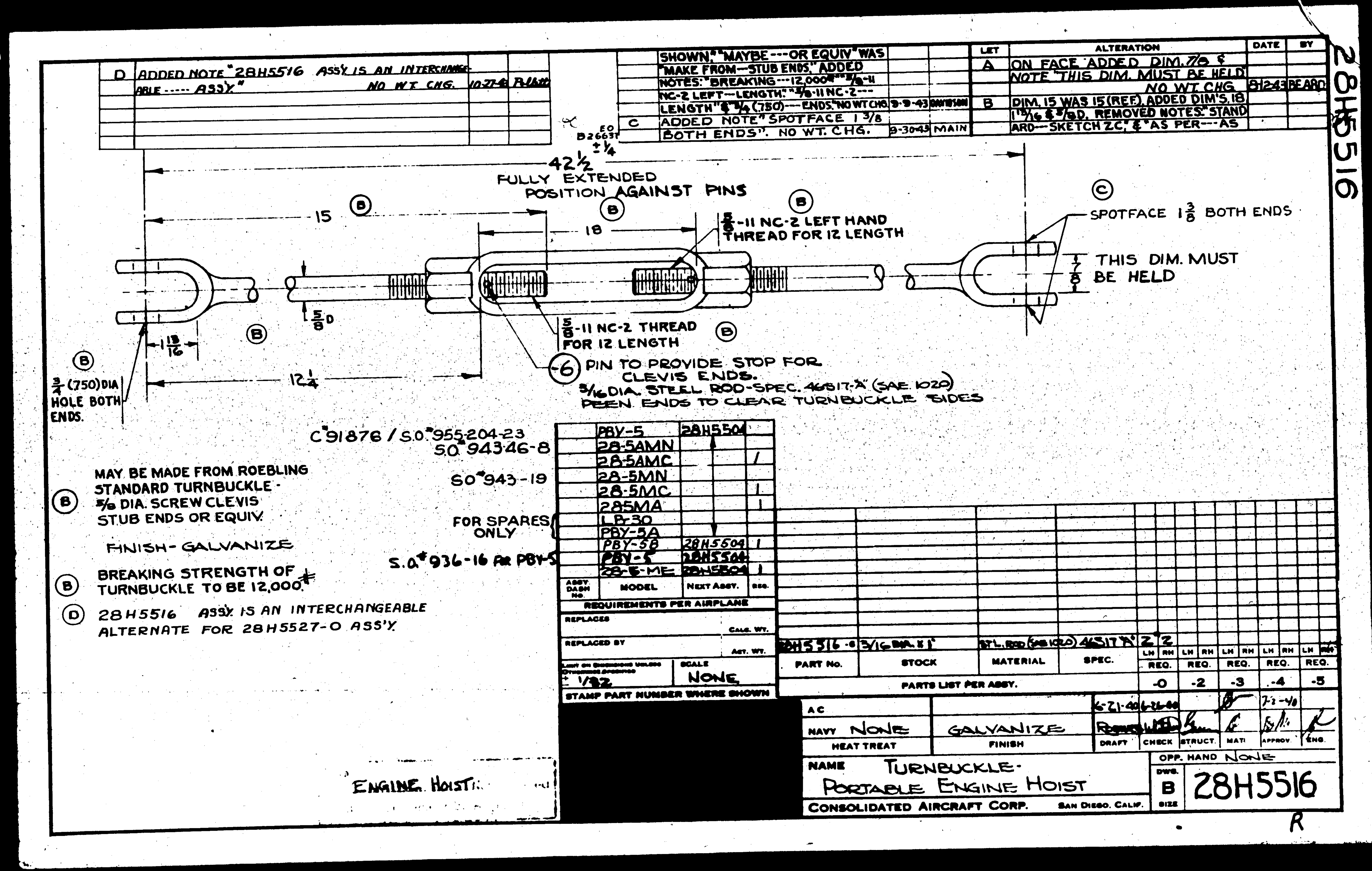
NAME CLEAT - FURNS. - MOORING PENDANT - KEEL

DWG. B 28H3023

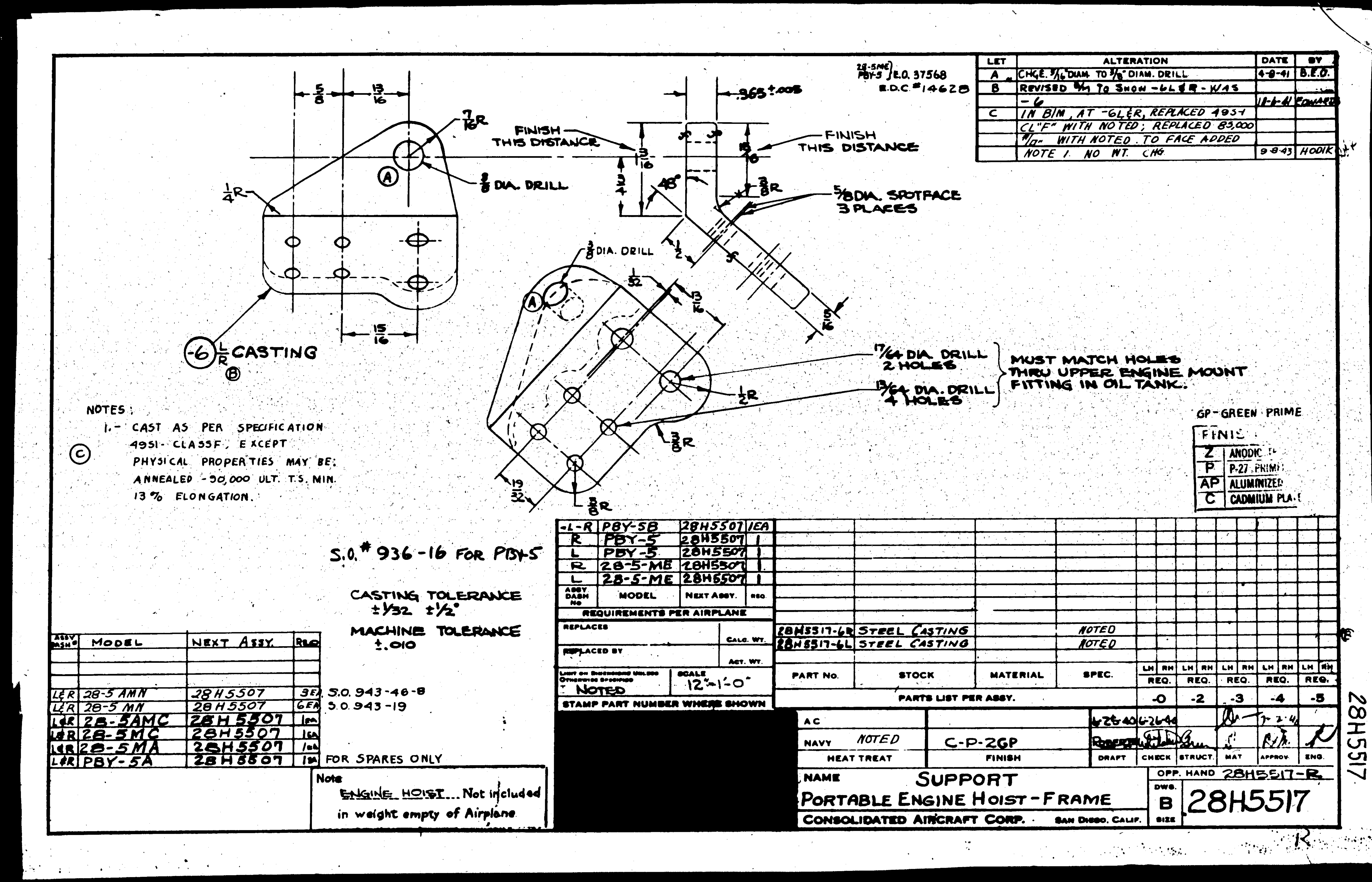


SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
B. TRACED 6-22-36
C. REVISED DETAIL OF -2, ADDING LIP PER NOTE ON C.O. 7887 11-29-36 THURBER
D. ADDED -6
E ADDED -8 9-8-41
F
G
-2
-3
-4
-5
-6
-8
DRILL #20(.161) 2 HOLES C'SINK FOR AN505-D8 BOLT.
DRILL #20(.161) 2 HOLES C'BORE 3/8 DIA.
VIEW A-A
PURCHASE TO DWG.
SEE MATERIAL B/M FOR COMPLETE LISTING. FOR PBY-5A & PBY-5B
-8 28B4266 1
-6 PBY-4 28H1012
-4,-5 PBY-4 28H1012
-2,-3 PBY-4 28H1012
-4,-5 PBY-3 28H1012
-2,-3 PBY-3 28H1012
-4,-5 PBY-2 28H1012
-2,-3 PBY-2 28H1012
-4,-5 PBY-1 28H1012
-2,-3 PBY-1 28H1012
O.H.
MODEL
NEXT ASSY.
REQ.
ST'D PARTS
LH RH REQ.
PART NO.
LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
[redacted]
APPROVED 6-22-36 DATE
CALC.WT.
ACT.WT.
SCALE 12"=1'-0"
AC
NAVY LAMINATED PHENOLIC
MATERIAL
SPEC.
NONE
HEAT TREAT
NONE
FINISH
WEIR TAR CN
5-6-36
DRAFT
CHECK
EXAM.
ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
NAME BLOCK-FURN'S.-MOORING PENDANT-RUBBING
OPP. HAND
DWG.
B


LET
ALTERATION
DATE
BY
E.O. A33263
A
MAT FOR -6 & -7 CARBON TINNED STEEL CABLE SPEC. AN-RR-C-43. WAS STEEL CABLE SPEC. 49C11 CLASS B. WT. CHG NEG
SWAGE IN ACCORDANCE WITH SPEC. T-46
NAF310621C-8
NAF310621C-8
6
7
A
ASS'Y DASH NO
A
-0
-8
S.O.# 936-16 FOR PBY-5
CHECK CABLE LENGTHS ON FIRST ASSY.
CABLE TO BE COATED WITH PARALKETONE, NAVY SPEC. RM61 TYPE "B"
-0
28-5MN
PBY-5A
PBY-5B
PBY-5
28H5504
-8
PB2Y2
29H1160
2
28-5ME
ASSY DASH NO
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
28H5510-7
1/4 DIA X 126
AN-RR-C-43
28H5510-6
1/4 DIA X 148
PART No.
STOCK
MATERIAL
SPEC.
LH
RH
REQ.
PARTS LIST PER ASSY.
-0
-8
-3
-4
-5
AC
NAVY NONE
NOTED
HEAT TREAT
FINISH
4-11-40
DRAFT
CHECK
STRUCT.
MAT
APPROV
ENG
OPP. HAND
NAME CABLE ASSEMBLY PORTABLE ENGINE HOIST
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
DWG. SIZE B
28H5510
Note: ENGINE HOIST Not included in weight empty of Airplane.

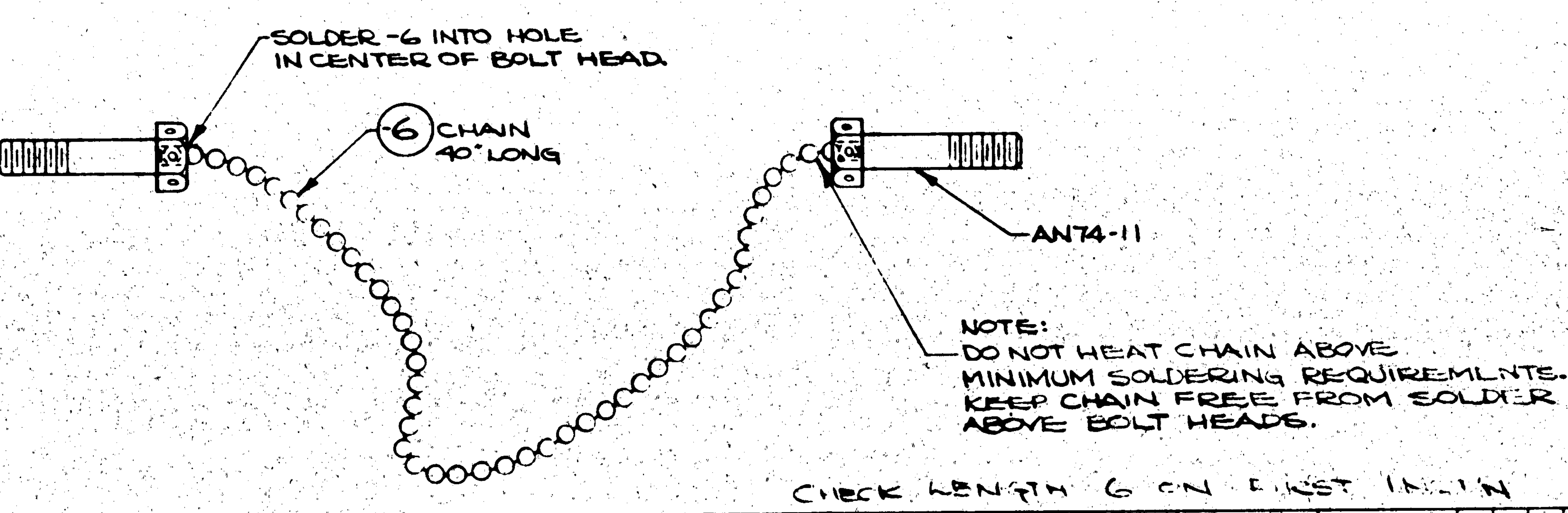


D ADDED NOTE "28H5516 ASSY IS AN INTERCHANGEABLE ----- ASSY" NO WT. CHG. 10-27-43
SHOWN," "MAYBE --- OR EQUIV" WAS "MAKE FROM --- STUB ENDS." ADDED NOTES: "BREAKING --- 12,000#" "5/8-11 NC-2 LEFT --- LENGTH." "5/8-11 NC-2 --- LENGTH" & "3/4 (.750) --- ENDS." NO WT CHG 9-9-43
C ADDED NOTE "SPOTFACE 1 3/8 BOTH ENDS". NO WT. CHG. 9-30-43 MAIN
A ON FACE ADDED DIM. 7/8 & NOTE "THIS DIM. MUST BE HELD" NO WT CHG 8-12-43 BEARD
B DIM. 15 WAS 15 (REF.) ADDED DIM'S. 18, 1 13/16 & 5/8 D. REMOVED NOTES: "STANDARD --- SKETCH ZC," & "AS PER --- AS
LET ALTERATION DATE BY
E.O. B26637
± 1/4
42 1/2
FULLY EXTENDED POSITION AGAINST PINS
15
18
5/8-11 NC-2 LEFT HAND THREAD FOR 12 LENGTH
SPOTFACE 1 3/8 BOTH ENDS
THIS DIM. MUST BE HELD
7/8
5/8 D
1 13/16
12 1/4
5/8-11 NC-2 THREAD FOR 12 LENGTH
3/4 (.750) DIA HOLE BOTH ENDS.
-6 PIN TO PROVIDE STOP FOR CLEVIS ENDS.
3/16 DIA. STEEL ROD-SPEC. 46517-"A" (SAE 1020)
PEEN ENDS TO CLEAR TURNBUCKLE SIDES
C#91876 / S.O.#955-204-23
S.O. 94346-8
S.O.#943-19
FOR SPARES ONLY
S.O.#936-16 FOR PBY-5
MAY BE MADE FROM ROEBLING STANDARD TURNBUCKLE - 5/8 DIA. SCREW CLEVIS STUB ENDS OR EQUIV.
FINISH - GALVANIZE
BREAKING STRENGTH OF TURNBUCKLE TO BE 12,000#
28H5516 ASSY IS AN INTERCHANGEABLE ALTERNATE FOR 28H5527-0 ASS'Y.
PBY-5 28H5504
28-5AMN
28-5AMC 1
28-5MN
28-5MC 1
28-5MA 1
LB-30
PBY-5A
PBY-5B 28H5504 1
PBY-5 28H5504
28-5-ME 28H5504 1
ASSY. DASH NO. MODEL NEXT ASSY. REQ.
REQUIREMENTS PER AIRPLANE
REPLACES CALC. WT.
REPLACED BY ACT. WT.
± 1/32 SCALE NONE
STAMP PART NUMBER WHERE SHOWN
28H5516-6 3/16 DIA. X 1" STL. ROD (SAE 1020) 46517"A" 2 2
PART No. STOCK MATERIAL SPEC. REQ. REQ. REQ. REQ. REQ.
PARTS LIST PER ASSY. -0 -2 -3 -4 -5
6-21-40 6-26-40 7-2-40
AC
NAVY NONE GALVANIZE
HEAT TREAT FINISH
DRAFT CHECK STRUCT. MATL APPROV. ENG.
OPP. HAND NONE
NAME TURNBUCKLE - PORTABLE ENGINE HOIST
DWG. SIZE B 28H5516
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
ENGINE HOIST
28H5516
R



LET | ALTERATION | DATE | BY
A | CHGE. 5/16 DIAM. TO 3/8" DIAM. DRILL | 4-8-41 | B.E.O.
B | REVISED 6/11 TO SHOW -6L&R-W/AS -6 | 11-6-41 | EDWARDS
C | IN B/M, AT -6L&R, REPLACED 4951 CL"F" WITH NOTED; REPLACED 85,000 #/□" WITH NOTED. TO FACE ADDED NOTE 1. NO WT. CHG | 9-8-43 | HODIK
28-5ME) PBY-5 E.O. 37568
E.D.C. #14628
FINISH THIS DISTANCE
FINISH THIS DISTANCE
.365 ±.005
3/8 DIA. DRILL
5/8 DIA. SPOTFACE 3 PLACES
3/8 DIA. DRILL
17/64 DIA. DRILL 2 HOLES
13/64 DIA. DRILL 4 HOLES
MUST MATCH HOLES THRU UPPER ENGINE MOUNT FITTING IN OIL TANK.
-6 L/R CASTING
NOTES:
1.- CAST AS PER SPECIFICATION 4951- CLASS F, EXCEPT PHYSICAL PROPERTIES MAY BE: ANNEALED - 90,000 ULT. T.S. MIN. 13 % ELONGATION.
GP - GREEN PRIME
FINISH
Z ANODIC
P P-27 PRIME
AP ALUMINIZED
C CADMIUM PLATE
S.O. # 936-16 FOR PBY-5
CASTING TOLERANCE ±1/32 ±1/2°
MACHINE TOLERANCE ±.010
-L-R | PBY-5B | 28H5507 | 1EA
R | PBY-5 | 28H5507 | 1
L | PBY-5 | 28H5507 | 1
R | 28-5-ME | 28H5507 | 1
L | 28-5-ME | 28H5507 | 1
ASSY DASH NO | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES | CALC. WT.
REPLACED BY | ACT. WT.
SCALE 12"=1'-0"
NOTED
STAMP PART NUMBER WHERE SHOWN
28H5517-6R STEEL CASTING NOTED
28H5517-6L STEEL CASTING NOTED
PART No. | STOCK | MATERIAL | SPEC. | REQ. -0 | REQ. -2 | REQ. -3 | REQ. -4 | REQ. -5
PARTS LIST PER ASSY.
ASSY DASH | MODEL | NEXT ASSY. | REQ.
L&R | 28-5 AMN | 28H5507 | 3EA | S.O. 943-46-8
L&R | 28-5 MN | 28H5507 | 6EA | S.O. 943-19
L&R | 28-5AMC | 28H5507 | 1EA
L&R | 28-5MC | 28H5507 | 1EA
L&R | 28-5MA | 28H5507 | 1EA
L&R | PBY-5A | 28H5507 | 1EA | FOR SPARES ONLY
Note ENGINE HOIST... Not included in weight empty of Airplane
AC
NAVY NOTED
HEAT TREAT
C-P-2GP
FINISH
DRAFT | CHECK | STRUCT. | MAT | APPROV. | ENG.
OPP. HAND 28H5517-R
NAME SUPPORT PORTABLE ENGINE HOIST - FRAME
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
DWG. SIZE B
28H5517

LET	ALTERATION	DATE	BY



CHECK LENGTH 6 ON FIRST INSTALLATION

S.O.# 936-16 FOR PBY-5

ASSY. DASH NO	MODEL	NEXT ASSY.	REQ.
	PBY-5B	28H5507	2
	PBY-5	28H5507	
	28-5-ME	28H5507	2

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/2 — SCALE 12"=1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 REQ. LH	-0 REQ. RH	-2 REQ. LH	-2 REQ. RH	-3 REQ. LH	-3 REQ. RH	-4 REQ. LH	-4 REQ. RH	-5 REQ. LH	-5 REQ. RH
AN74-11				2									
28H5518-6	1/8" DIA. × 40	BEAD CHAIN-CHR.PL. - COMM		1									

PARTS LIST PER ASSY.

[redacted]

AC		6-25-40	6-26-40				
NAVY NONE	NONE	Roberts	[signature]	[signature]	[signature]	1-2-40	[signature]
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

NAME BOLT ASS'Y - SPECIAL - PORTABLE ENGINE HOIST - FRAME

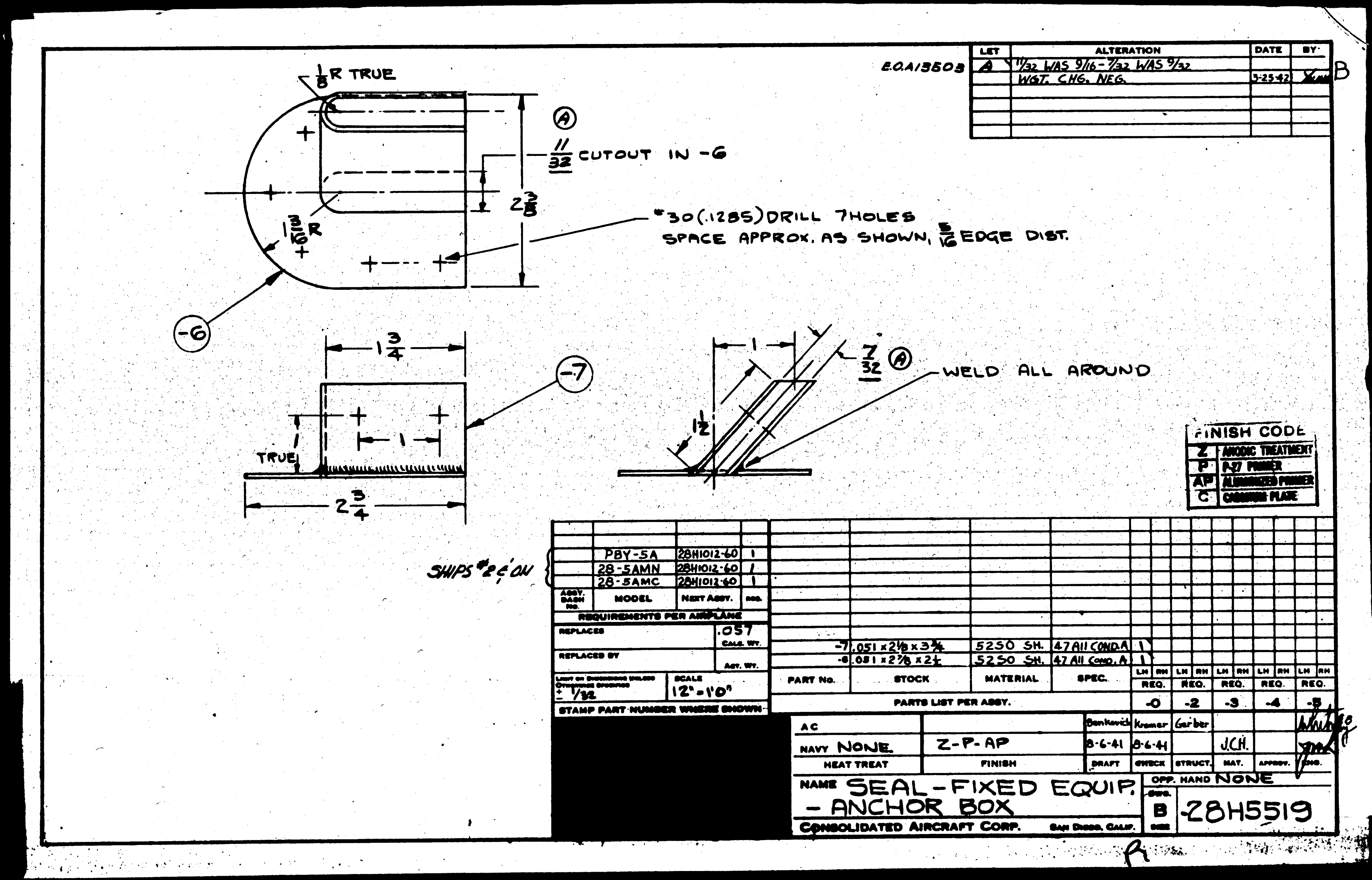
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

OPP. HAND NONE

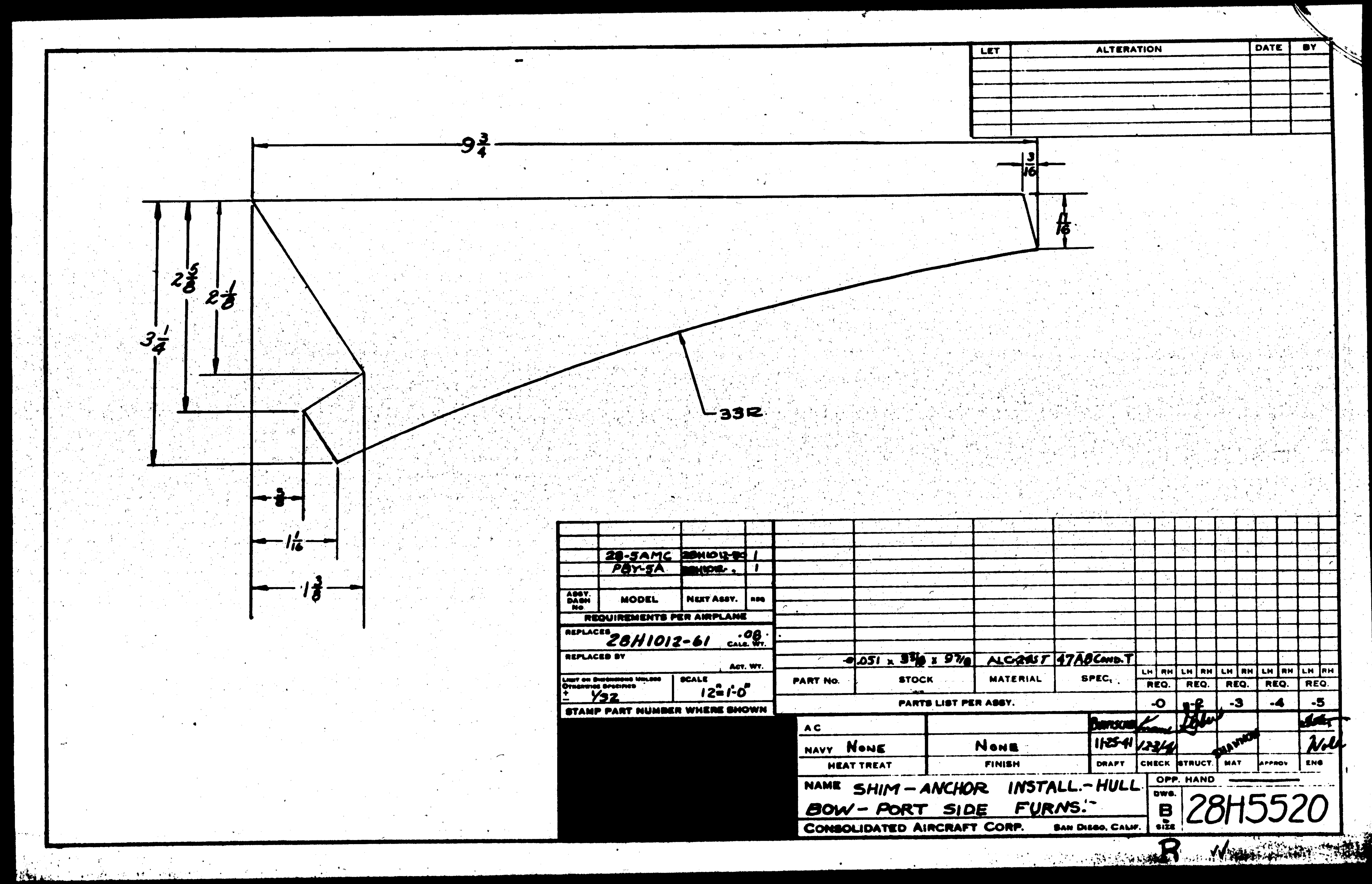
DWG. SIZE B — 28H5518

R

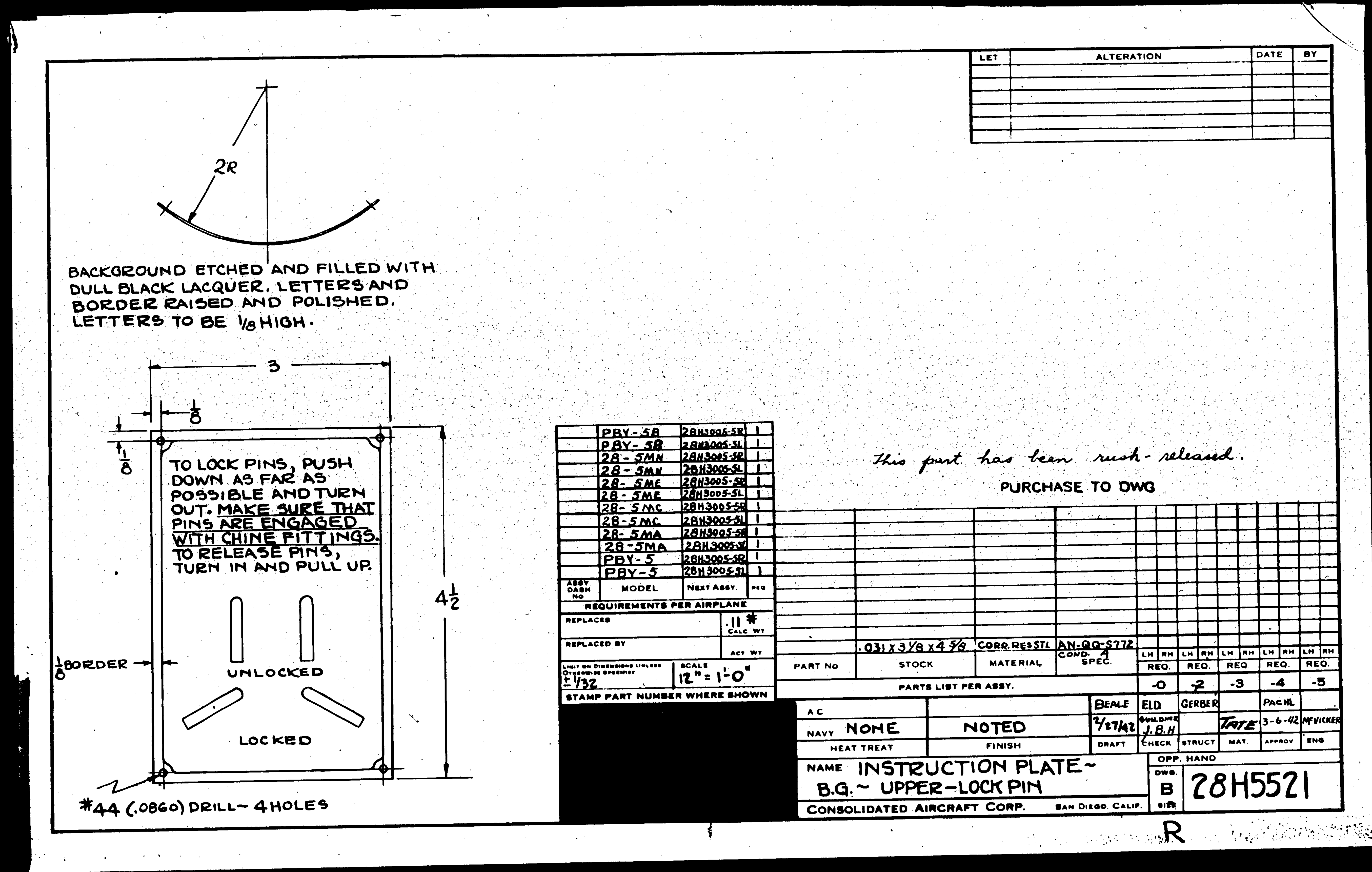
Note: ENGINE HOIST N... in w... A...



E.O.A13503
LET | ALTERATION | DATE | BY
A | 11/32 WAS 9/16 - 7/32 WAS 9/32 WGT. CHG. NEG. | 5-25-42
B
1/8 R TRUE
A
11/32 CUTOUT IN -6
2 3/8
#30(.1285) DRILL 7 HOLES
SPACE APPROX. AS SHOWN, 5/16 EDGE DIST.
1 3/16 R
-6
1 3/4
-7
1
1 TRUE
2 3/4
1
7/32 A
WELD ALL AROUND
1 1/2
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
SHIPS #2 & ON
PBY-5A 28H1012-60 1
28-5AMN 28H1012-60 1
28-5AMC 28H1012-60 1
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES .057 CALC. WT.
REPLACED BY ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'0"
STAMP PART NUMBER WHERE SHOWN
-7 .051 x 2 1/8 x 3 3/4 5250 SH. 47A11 COND. A 1
-6 .051 x 2 7/8 x 2 1/2 5250 SH. 47A11 COND. A 1
PART No. | STOCK | MATERIAL | SPEC. | LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY NONE
HEAT TREAT
Z-P-AP
FINISH
Benkovich 8-6-41 DRAFT
Kramer 8-6-41 CHECK
Gerber STRUCT.
J.C.H. MAT.
APPROV.
ENG.
NAME SEAL - FIXED EQUIP. - ANCHOR BOX
OPP. HAND NONE
DWG. B 28H5519 SIZE
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

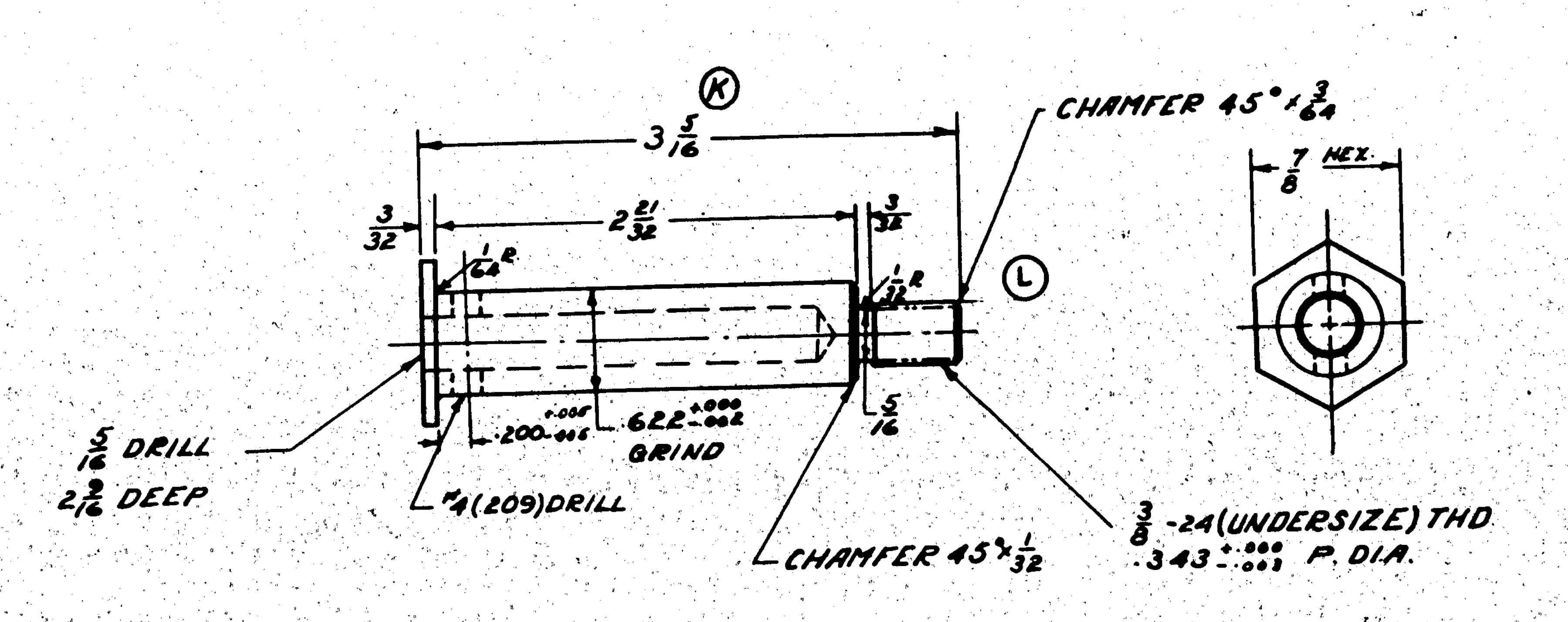


LET
ALTERATION
DATE
BY
9 3/4
3/16
1/16
2 5/8
2 1/8
3 1/4
33R
3/8
1 1/16
1 3/8
28-5AMC
PBY-5A
ASSY. DASH No.
MODEL
NEXT ASSY.
REQUIREMENTS PER AIRPLANE
REPLACES 28H1012-61
CALC. WT. .08
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12"=1'-0"
STAMP PART NUMBER WHERE SHOWN
.051 x 3 3/16 x 9 7/8
ALC-24ST
47A8 COND.T
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
AC
NAVY NONE
HEAT TREAT
NONE
FINISH
11-25-41
DRAFT
CHECK
STRUCT.
MAT
APPROV
ENG
NAME SHIM - ANCHOR INSTALL. - HULL BOW - PORT SIDE FURNS.
OPP. HAND
DWG. SIZE B
28H5520
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.



ASSY. DASH NO	MODEL	NEXT ASSY.	REQ
	PBY-5B	28H3005-5R	1
	PBY-5B	28H3005-5L	1
	28-5MN	28H3005-5R	1
	28-5MN	28H3005-5L	1
	28-5ME	28H3005-5R	1
	28-5ME	28H3005-5L	1
	28-5MC	28H3005-5R	1
	28-5MC	28H3005-5L	1
	28-5MA	28H3005-5R	1
	28-5MA	28H3005-5L	1
	PBY-5	28H3005-5R	1
	PBY-5	28H3005-5L	1

LET	ALTERATION	DATE	BY
	SUPPLIES & EQUIPMENT CLASSIFICATION		
H	TRACED UP TO DATE	2-4-37	[illegible]
J	REMOVED H.T.	3-5-37	[illegible]
K	CHG'D OVERALL DIM FROM 3 1/4 TO 3 5/16	8-18-39	FOX
L	REMOVED DIMENSION	9-28-39	DUNCAN
M	-C- FINISH REMOVED	11-21-39	[illegible]



NOTE: STAMP PART NO. ON HEAD

O.H.	MODEL	NEXT ASSY.	REQ.
	PBY-5 & 5A	28L2002	4 EA
	PBY-4	28L2002R	
	PBY-2-3	28L2002LR	
	PBY-1	28L011-1	2
	PBY-1	28L011	2
	XP3Y-1	28L011-1	2
	XP3Y-1	28L011	2
	PBY-5B	28L2002	4

REQUIREMENTS PER AIRPLANE

ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.
MAT.			PARTS LIST PER ASSY.		

REPLACES	
REPLACED BY	
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	+ −
APPROVED 9-27-36	DATE
CALC.WT. .22	ACT.WT.
SCALE 12" = 1'-0"	
AC	
NAVY STAINLESS STEEL GRADE 1C	

MATERIAL	SPEC.	HEAT TREAT	FINISH
NAVY STAINLESS STEEL GRADE 1C	46S18a	NONE	

DRAFT	CHECK	EXAM.	ENG.
RB	[illegible] MILLER		
3-24-34	2-6-37		

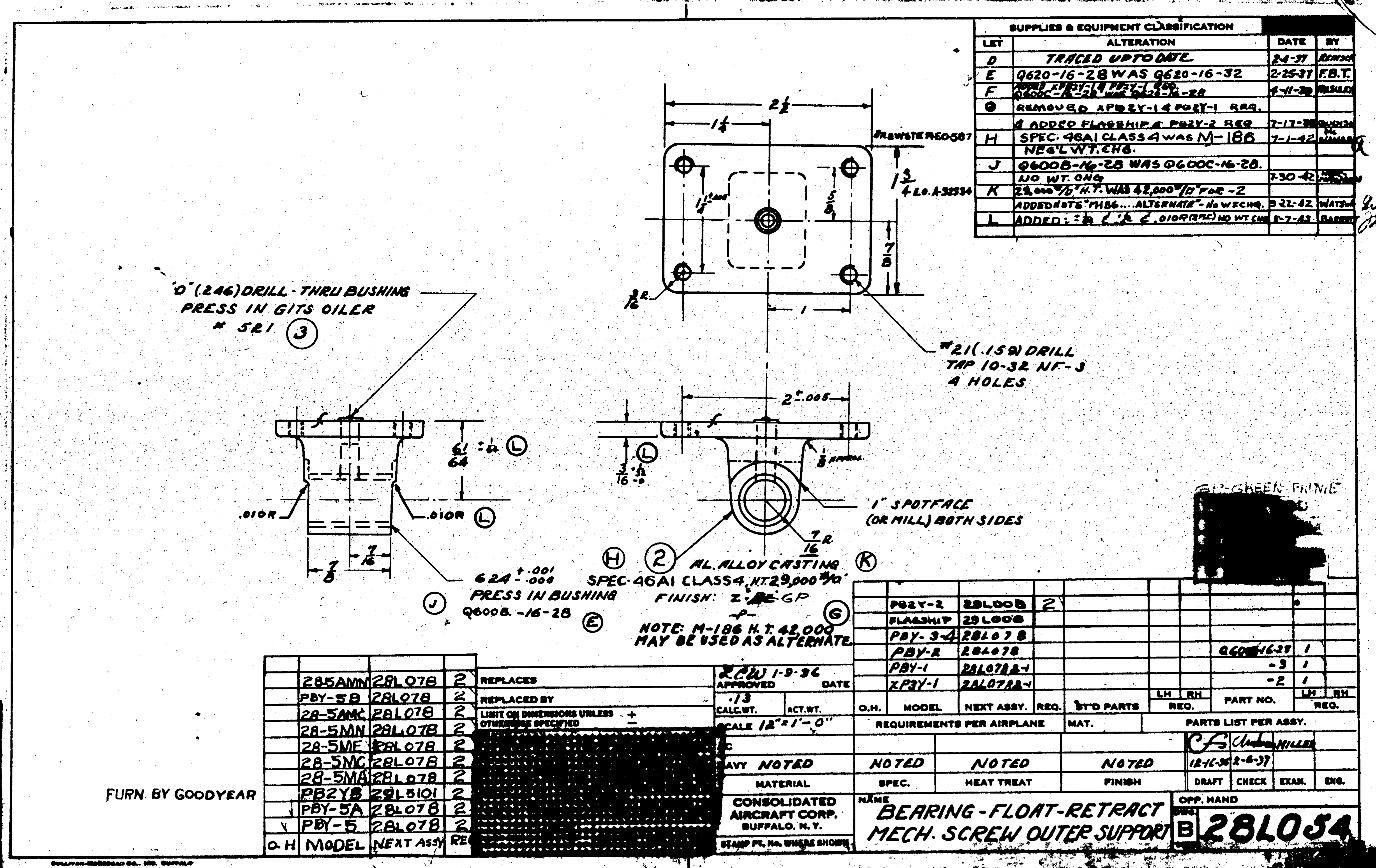
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.

STAMP PT. No. WHERE SHOWN

NAME: BOLT-FLOAT-RETRACTING STRUT TO FLOAT ATT.

OPP. HAND

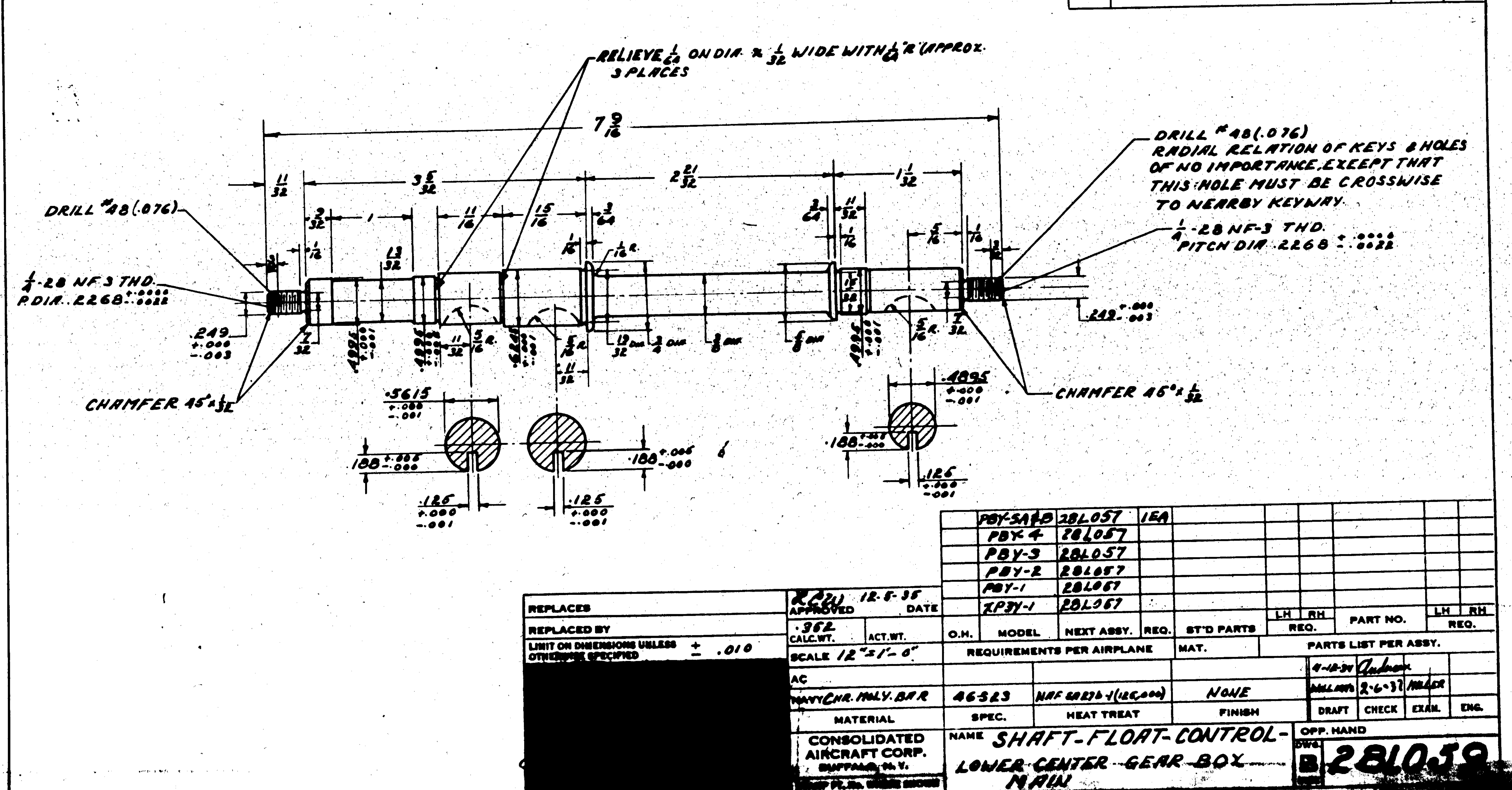
DWG. B 28L020

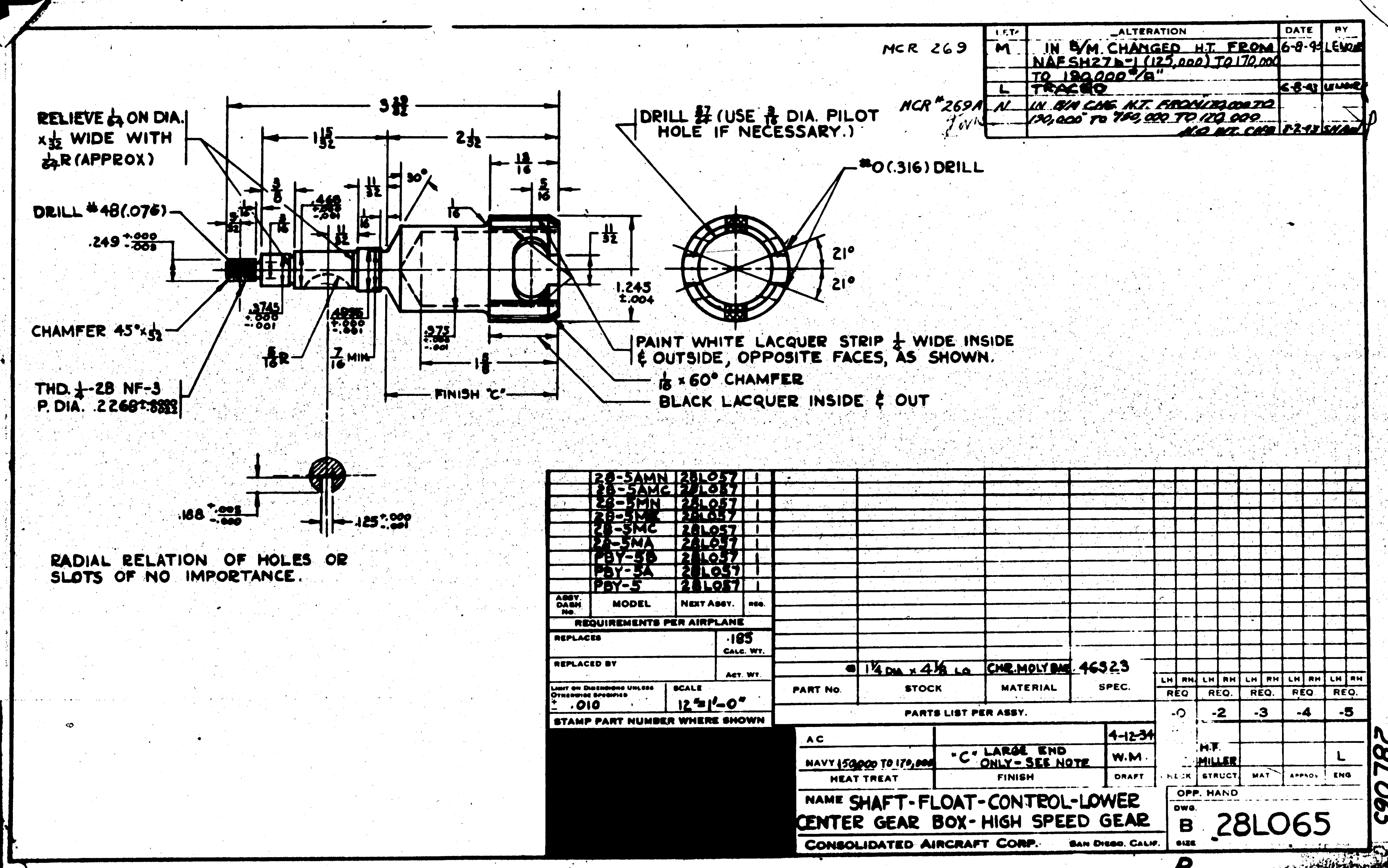


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
D | TRACED UP TO DATE | 2-4-37
E | Q620-16-28 WAS Q620-16-32 | 2-25-37 | F.B.T.
G | REMOVED XPB2Y-1 & PB2Y-1 REQ.
H | SPEC. 46A1 CLASS 4 WAS M-186 NEG'L WT. CHG. | 7-1-42
J | Q600B-16-28 WAS Q600C-16-28. NO WT. CHG | 7-30-42
K | 29,000#/□" H.T. WAS 42,000#/□" FOR -2
ADDED NOTE "M186.... ALTERNATE" - NO WT CHG. | 9-22-42
L | ADDED .010R NO WT CHG
2 1/2
1 1/4
1 3/4
5/8
7/8
3/16 R.
1
"D" (.246) DRILL - THRU BUSHING
PRESS IN GITS OILER
521 (3)
#21 (.159) DRILL
TAP 10-32 NF-3
4 HOLES
2 ±.005
61/64 (L)
3/16
.010R
.010R (L)
1" SPOTFACE
(OR MILL) BOTH SIDES
7/16 R.
7/8
7/16
.624 +.001 -.000
PRESS IN BUSHING
Q600B-16-28 (E)
(J)
(H) (2) AL. ALLOY CASTING (K)
SPEC. 46A1 CLASS 4, H.T. 29,000#/□"
FINISH: Z-GP
(G)
NOTE: M-186 H.T. 42,000
MAY BE USED AS ALTERNATE
PB2Y-2 | 29L008 | 2
FLAGSHIP | 29L008
PBY-3-4 | 28L078
PBY-2 | 28L078 | Q600B-16-28 | 1
PBY-1 | 28L078 | -3 | 1
XP3Y-1 | 28L078 | -2 | 1
O.H. | MODEL | NEXT ASSY. | REQ. | STD PARTS | LH | RH | REQ. | PART NO. | LH | RH | REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
28-5AMN | 28L078 | 2
PBY-5B | 28L078 | 2
28-5AMC | 28L078 | 2
28-5MN | 28L078 | 2
28-5ME | 28L078 | 2
28-5MC | 28L078 | 2
28-5MA | 28L078 | 2
PB2YB | 29L5101 | 2
PBY-5A | 28L078 | 2
PBY-5 | 28L078 | 2
O.H. | MODEL | NEXT ASSY | REQ.
FURN. BY GOODYEAR
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
[redacted]
APPROVED 1-9-36 DATE
.13 CALC. WT. | ACT. WT.
SCALE 12" = 1'-0"
NAVY NOTED | NOTED | NOTED | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
12-16-36 | 2-6-37 | MILLER
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME BEARING - FLOAT - RETRACT MECH. SCREW OUTER SUPPORT
OPP. HAND
B 28L054

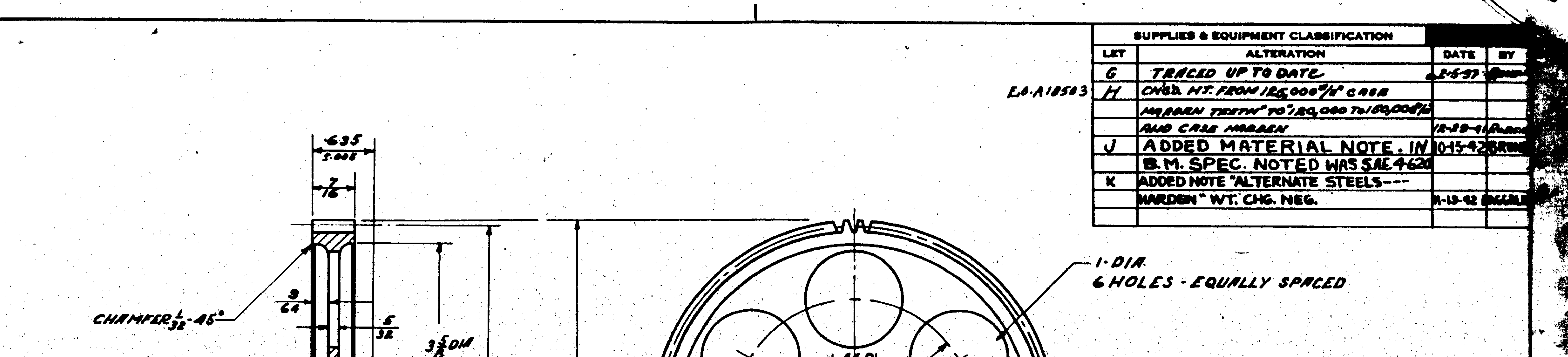
SUPPLIES & EQUIPMENT CLASSIFICATION [redacted]

LET	ALTERATION	DATE	BY
D	TRACED UPTODATE	2-11-37	Rowan
E	INCORP. C.O. 5285	1-6-38	Bowen





MCR 269
LET.
ALTERATION
DATE
BY
M
IN B/M CHANGED H.T. FROM NAF SH27b-1 (125,000) TO 170,000 TO 190,000 #/□"
6-8-43
L
TRACED
MCR # 269A
N
IN B/M CHG. H.T. FROM 170,000 TO 190,000 TO 150,000 TO 170,000
NO HT. CHG.
RELIEVE 1/64 ON DIA. x 1/32 WIDE WITH 1/64 R (APPROX)
DRILL #48 (.076)
.249 +.000 -.003
CHAMFER 45° x 1/32
THD. 1/4-28 NF-3
P. DIA. .2268
5/16 R
7/16 MIN.
.3745 +.000 -.001
.4995 +.000 -.001
.975 +.000 -.001
FINISH "C"
30°
1.245 ±.004
DRILL 37/64 (USE 3/16 DIA. PILOT HOLE IF NECESSARY.)
#0 (.316) DRILL
21°
21°
PAINT WHITE LACQUER STRIP 1/4 WIDE INSIDE & OUTSIDE, OPPOSITE FACES, AS SHOWN.
1/16 x 60° CHAMFER
BLACK LACQUER INSIDE & OUT
.188 +.005 -.000
.125 +.000 -.001
RADIAL RELATION OF HOLES OR SLOTS OF NO IMPORTANCE.
28-5AMN 28L057 1
28-5AMC 28L057 1
28-5MN 28L057 1
28-5ME 28L057 1
28-5MC 28L057 1
28-5MA 28L057 1
PBY-5B 28L057 1
PBY-5A 28L057 1
PBY-5 28L057 1
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.185 CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
SCALE 12"=1'-0"
STAMP PART NUMBER WHERE SHOWN
1 1/4 DIA x 4 1/8 LG.
CHR. MOLY BAR
46S23
PART NO.
STOCK
MATERIAL
SPEC.
PARTS LIST PER ASSY.
LH RH REQ. -0
LH RH REQ. -2
LH RH REQ. -3
LH RH REQ. -4
LH RH REQ. -5
AC
NAVY 150,000 TO 170,000
HEAT TREAT
"C" LARGE END ONLY - SEE NOTE
FINISH
4-12-34
W.M.
DRAFT
CHECK
H.T. MILLER
STRUCT.
MAT.
APPROV.
L
ENG.
NAME SHAFT-FLOAT-CONTROL-LOWER CENTER GEAR BOX-HIGH SPEED GEAR
OPP. HAND
DWG.
B 28L065
SIZE
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
28L065



LET	ALTERATION	DATE	BY
G	TRACED UP TO DATE	2-5-37	
H	CHGD. HT. FROM 125,000#/□" CASE HARDEN TEETH" TO "120,000 TO 150,000#/□" AND CASE HARDEN	12-29-41	
J	ADDED MATERIAL NOTE. IN B.M. SPEC. NOTED WAS SAE 4620	10-15-42	
K	ADDED NOTE "ALTERNATE STEELS --- HARDEN" WT. CHG. NEG.	11-19-42	

E.O. A18503

48 TEETH
12/14 P. STUB TOOTH
STRAIGHT SPUR GEAR
20° PRESSURE ANGLE
GEAR TO MESH WITH 28L067 (24 TEETH)

(J)

MATERIAL NOTE:
S.A.E 4620 - FIRST CHOICE;
S.A.E 3115 - SECOND CHOICE.

(K) ALTERNATE STEELS IN ORDER OF PREFERENCE:

1. X4130 175,000 P.S.I.
2. 4037 175,000 P.S.I.
3. NE8620 125,000 P.S.I. CASE HARDEN.

PURCHASE TO DWG.-

O.H.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28L057	1 EA
	28-5AMN	28L057	1
	28-5AMC	28L057	1
	PBY-5	28L057	1
	28-5ME/MN	28L057	1 EA
	28-5MA/MC	28L057	1 EA
	PBY-3-4	28L057	
	PBY-2	28L057	
	PBY-1	28L057	
	XPBY-1	28L057	1

REQUIREMENTS PER AIRPLANE

ST'D PARTS	REQ. LH	REQ. RH	PART NO.	REQ. LH	REQ. RH

MAT. — PARTS LIST PER ASSY.

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
[redacted]

APPROVED: ECW DATE: 12-5-36
CALC. WT. .68 ACT. WT. .49
SCALE 12"=1'-0"

AC		120,000 TO 150,000#/□" AND CASE HARDEN		4-12-36		MILLER	L
NAVY STEEL - COMM.	NOTED	(H)	NONE	W.H.	2-9-37		
MATERIAL	SPEC.	HEAT TREAT	FINISH	DRAFT	CHECK	EXAM.	ENG.

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.

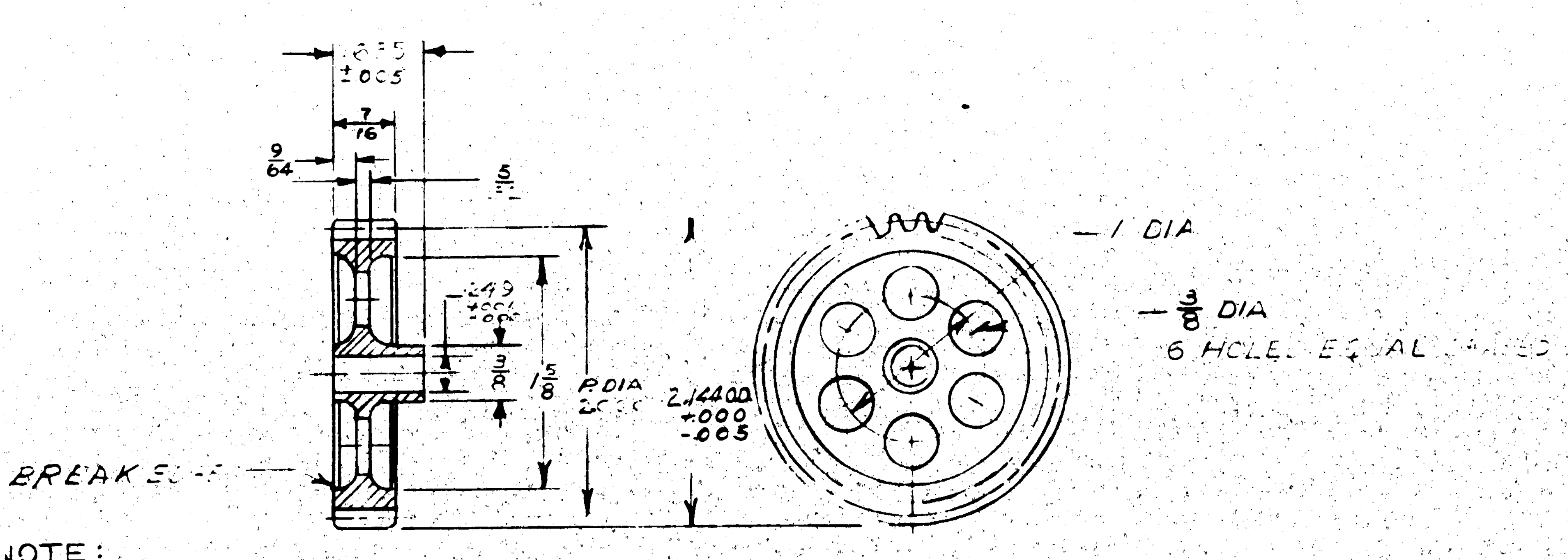
NAME: GEAR - FLOAT - CONTROL - LOWER - CENTER GEAR BOX - HIGH SPEED HAND CRANK -

OPP. HAND

DWG. 28L06[illegible]

28L067

LET	ALTERATION	DATE	BY
✓	TRACED NO WGT. CHG	10-16-43	FECK



NOTE:
24 TEETH
12/14 P STUB TOOTH
STRAIGHT SPUR GEAR
20° PRESSURE ANGLE
GEAR TO MESH WITH
28L062 & 28L066
(12 TEETH) (48 TEETH)
ALTERNATE STEELS
IN ORDER OF PREFERENCE
1. X4130 175000 P.S.I.
2. 4037 175,000 P.S.I.
3. NE8620 {125000 P.S.I. CASE HARDEN

PURCHASE TO DWG

ASSY. DASH No	MODEL	NEXT ASSY.	REQ
	PBY-5-5F	28L057	1EA
	ALL 28-5'S	28L057	1EA
	PBY-5	28L057	1
	PBY-1-2-3-4	28L057.	
	XP3Y-1	28L057	

REQUIREMENTS PER AIRPLANE

REPLACES 28L067 11-14-36 — .20 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	LH REQ. -0	RH REQ. -0	LH REQ. -2	RH REQ. -2	LH REQ. -3	RH REQ. -3	LH REQ. -4	RH REQ. -4	LH REQ. -5	RH REQ. -5
SEE NOTE 2	2 1/4 OD X 7/8	S.A.E. 4620	COMM.	1									

PARTS LIST PER ASSY.

HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.
120000 TO 150000 PSI, NAV. CASEHARDEN	NONE	W.M. 4-12-34	J.S. 12-1-36			LCW 11-14-36	L

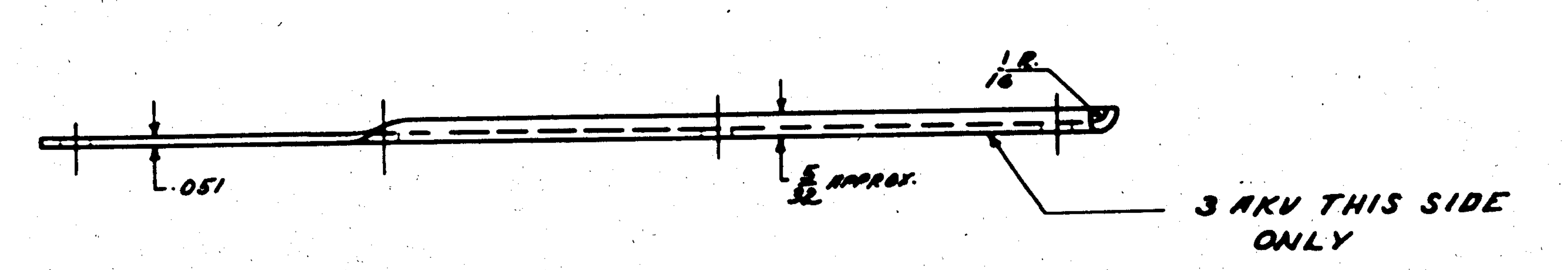
NAME GEAR-FLOAT-CONTROL-LOWER CENTER GEAR BOX HAND CRANK IDLING

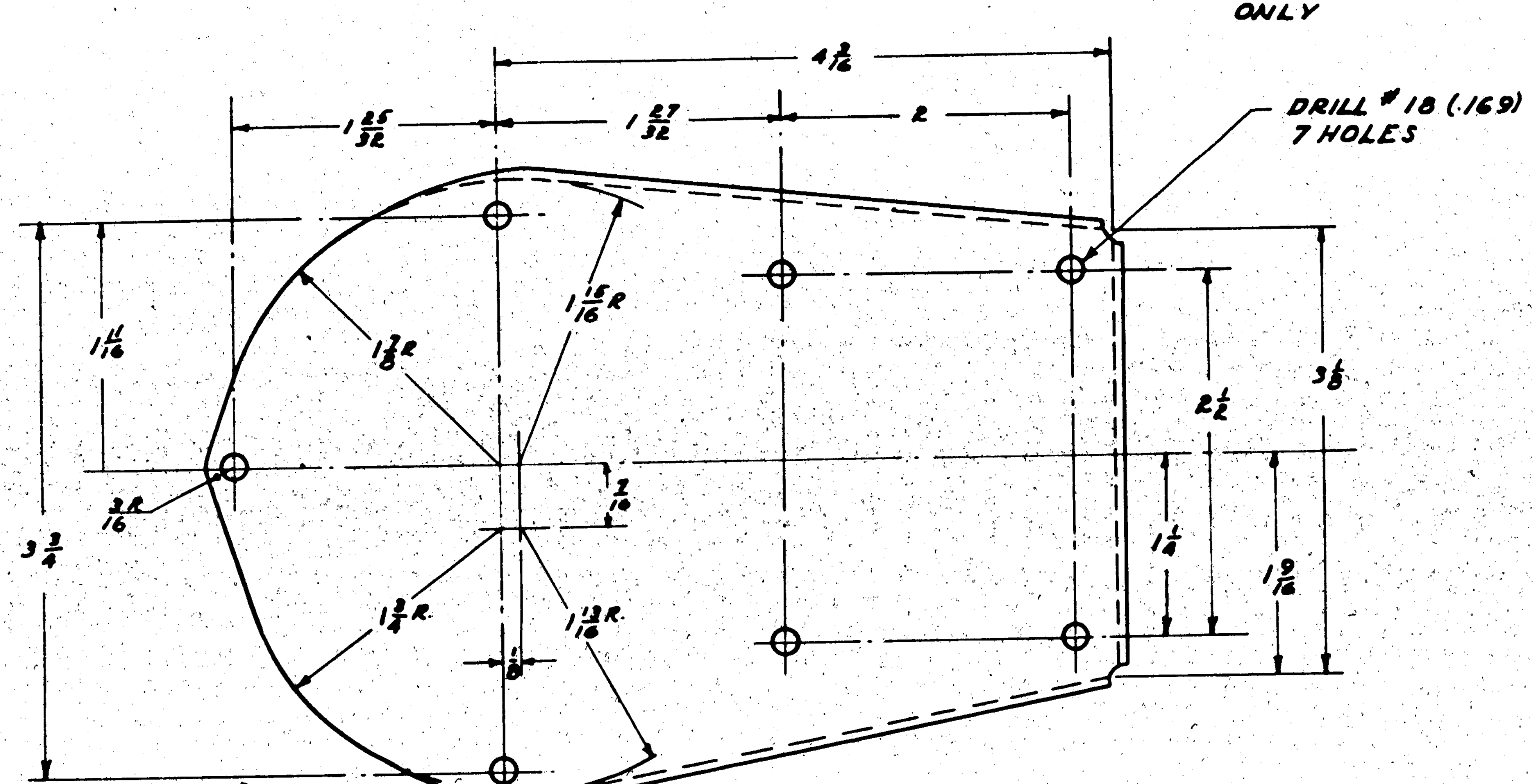
OPP. HAND

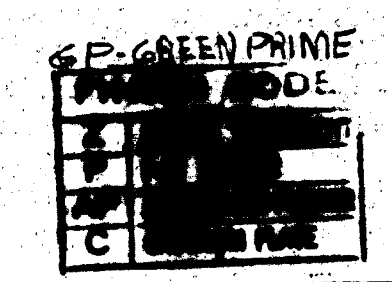
DWG. SIZE B — 28L067

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

SUPPLIES & EQUIPMENT CLASSIFICATION				
LET	ALTERATION	DATE	BY	
D	TRACED UP TO DATE	8-5-36	REDOUT	
E	MATERIAL 47A10 COND A WAS 47A10 CONDT	1-2-41	LITTLE	E.O. 35124







[redacted] ODE.
C [redacted]
P [redacted]
AP [redacted]
C [redacted]

	MODEL	NEXT ASSY.	REQ.
	PBY-5B	28L057	1
	PBY-5&5A	28L057	1EA
	PBY-3-4	28L057	
	PBY-2	28L057	
	PBY-1	28L057	
	XP3Y-1	28L057	
O.H.	MODEL	NEXT ASSY.	REQ.

REQUIREMENTS PER AIRPLANE

ST'D PARTS	LH	RH	PART NO.	LH	RH
	REQ.			REQ.	

MAT. — PARTS LIST PER ASSY.

REPLACES

REPLACED BY

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010

APPROVED 10-18-36 DATE

CALC.WT. .12 ACT.WT.

SCALE 12" = 1-0"

AC

NAVY AL. ALLOY SH'T — 47A10 COND"A" — SR 53 — Z-P (GP) SEE NOTE ONE SIDE

MATERIAL	SPEC.	HEAT TREAT	FINISH

4-12-34	Anderson		
WM	2-9-39	MILLER	
DRAFT	CHECK	EXAM.	ENG.

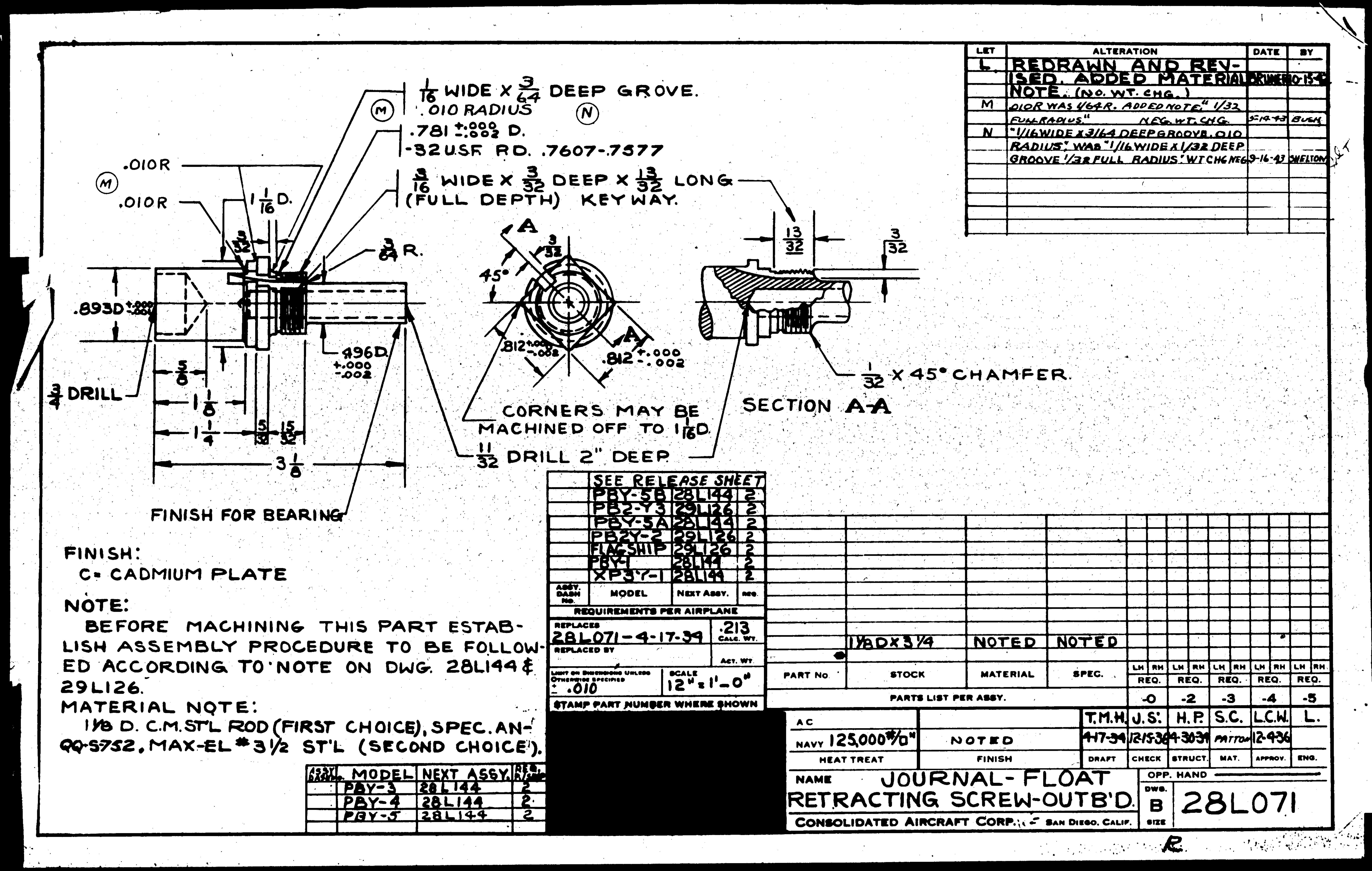
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

STAMP PT. No. WHERE SHOWN

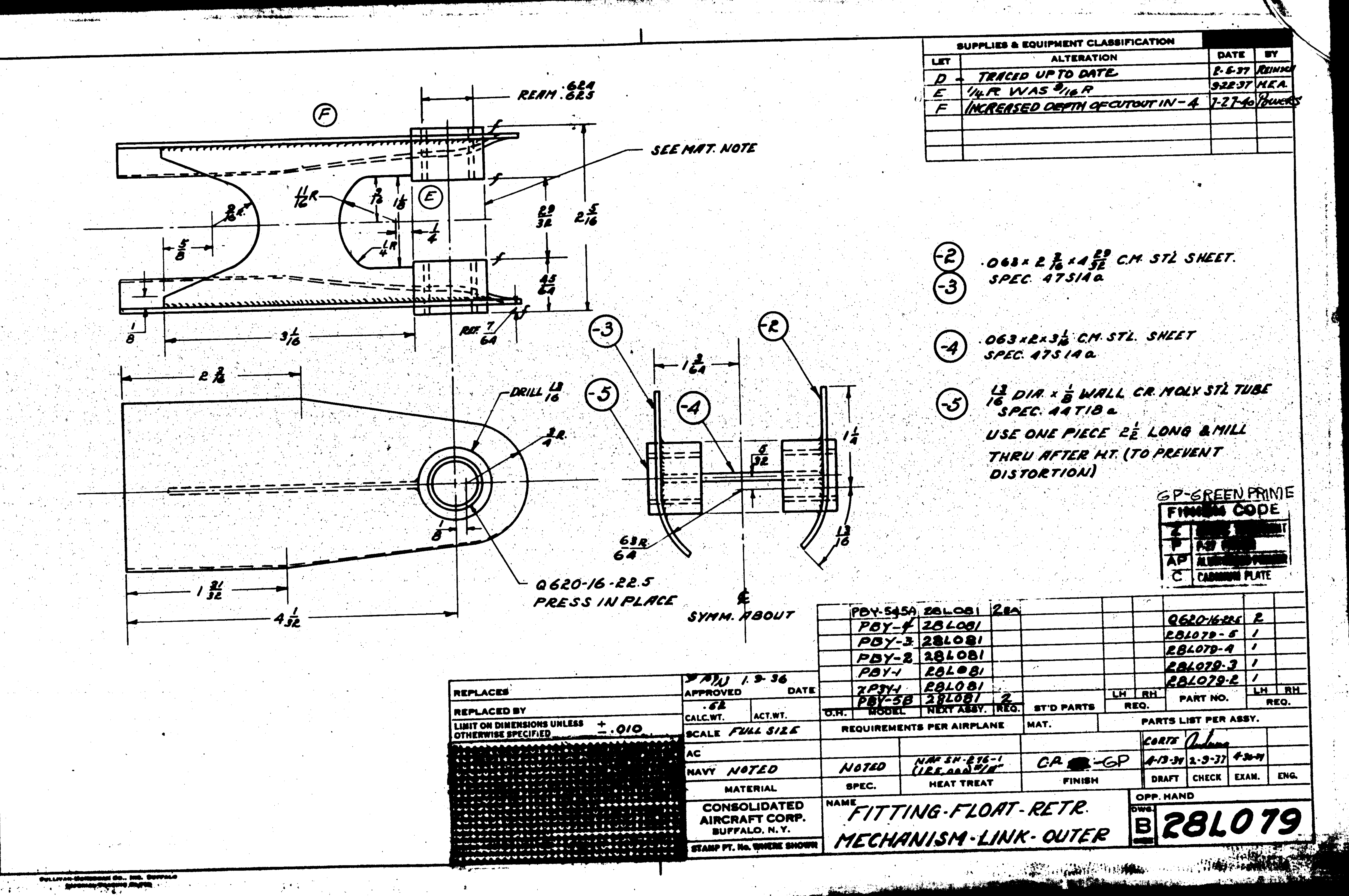
NAME COVER-FLOAT-CONTROL-LOWER CENTER GEAR BOX

OPP. HAND

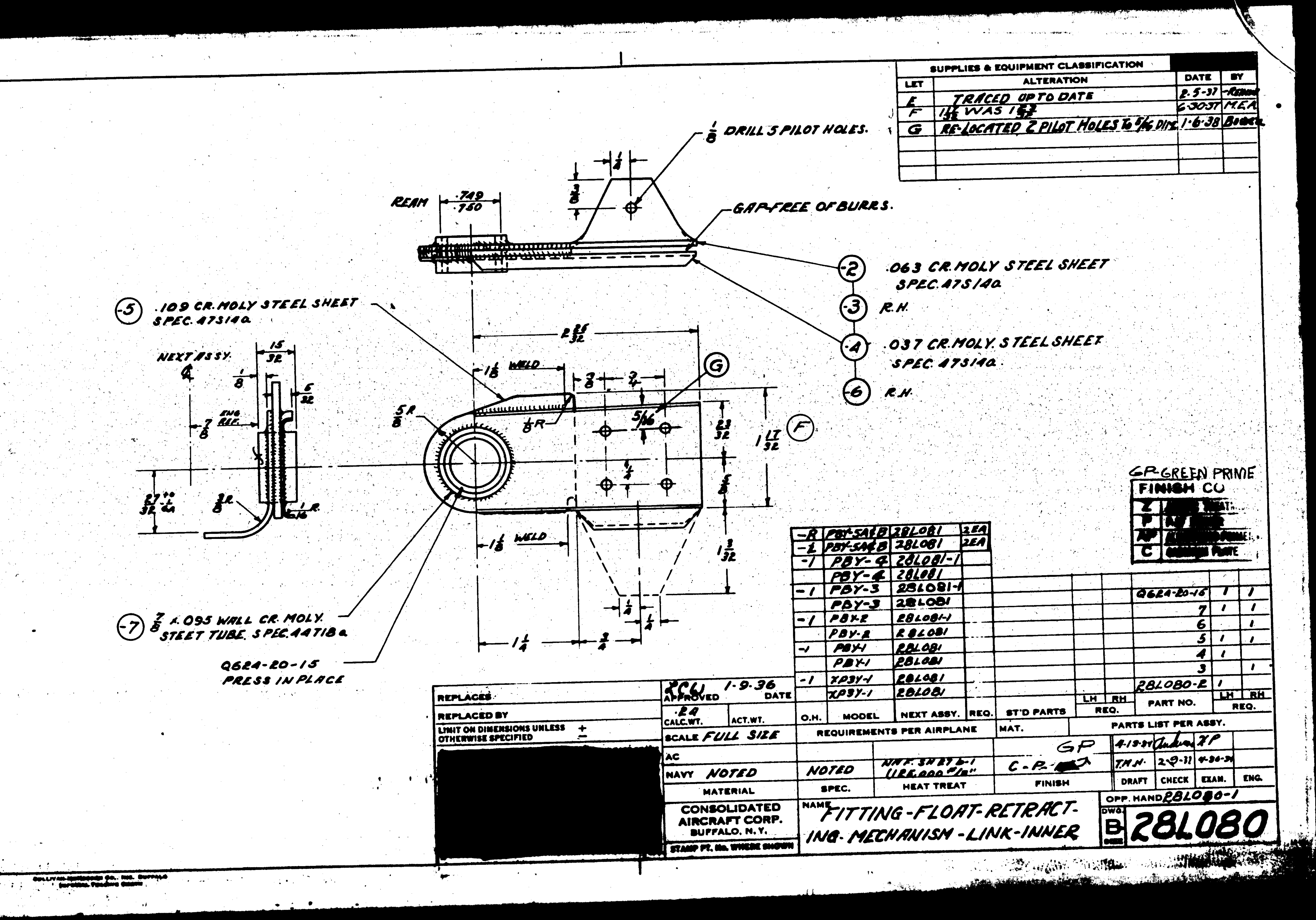
DWG. B 28L070

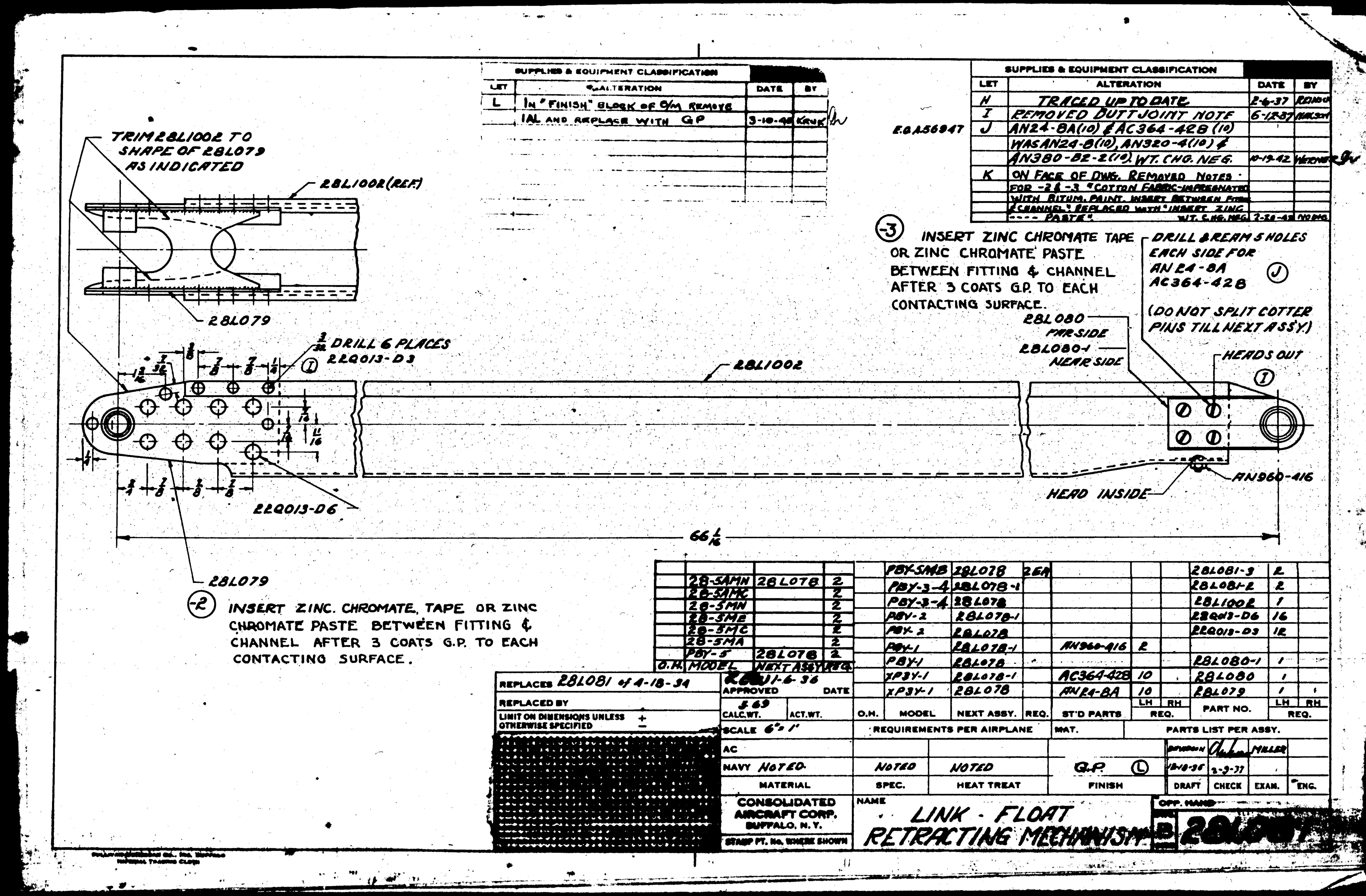


LET
ALTERATION
DATE
BY
L
REDRAWN AND REV-ISED. ADDED MATERIAL NOTE. (NO. WT. CHG.)
M
.010R WAS 1/64R. ADDED NOTE "1/32 FULL RADIUS" NEG. WT. CHG.
5-19-43
BUSH
N
"1/16 WIDE x 3/64 DEEP GROOVE .010 RADIUS" WAS "1/16 WIDE x 1/32 DEEP GROOVE 1/32 FULL RADIUS" WT CHG NEG
9-16-43
SHELTON
1/16 WIDE x 3/64 DEEP GROVE.
.010 RADIUS
M
N
.781 +.000 -.002 D.
-32 U.S.F. RD. .7607-.7577
.010R
.010R
3/16 WIDE x 3/32 DEEP x 13/32 LONG (FULL DEPTH) KEY WAY.
1 1/16 D.
3/32
3/64 R.
A
3/32
45°
13/32
3/32
.893 D
.496 D. +.000 -.002
.812 +.000 -.002
.812 +.000 -.002
1/32 x 45° CHAMFER.
5/8
3/4 DRILL
1 1/8
1 1/4
5/32
15/32
3 1/8
CORNERS MAY BE MACHINED OFF TO 1 1/16 D.
SECTION A-A
11/32 DRILL 2" DEEP
FINISH FOR BEARING
FINISH:
C= CADMIUM PLATE
NOTE:
BEFORE MACHINING THIS PART ESTABLISH ASSEMBLY PROCEDURE TO BE FOLLOWED ACCORDING TO NOTE ON DWG. 28L144 & 29L126.
MATERIAL NOTE:
1 1/8 D. C.M. ST'L ROD (FIRST CHOICE), SPEC. AN-QQ-S752, MAX-EL #3 1/2 ST'L (SECOND CHOICE).
SEE RELEASE SHEET
PBY-5B 28L144 2
PB2Y-3 29L126 2
PBY-5A 28L144 2
PB2Y-2 29L126 2
FLAGSHIP 29L126 2
PBY-1 28L144 2
XP3Y-1 28L144 2
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES 28L071-4-17-34
.213 CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
ASSY. DASH No. MODEL NEXT ASSY. REQ.
PBY-3 28L144 2
PBY-4 28L144 2
PBY-5 28L144 2
1 1/8 D x 3 1/4
NOTED
NOTED
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ.
PARTS LIST PER ASSY.
-0
-2
-3
-4
-5
AC
NAVY 125,000#/□"
HEAT TREAT
NOTED
FINISH
T.M.H. 4-17-34
J.S.
H.P.
S.C. PATTON
L.C.W. 12-4-36
L.
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NAME
JOURNAL-FLOAT RETRACTING SCREW-OUTB'D.
OPP. HAND
DWG. SIZE B
28L071
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

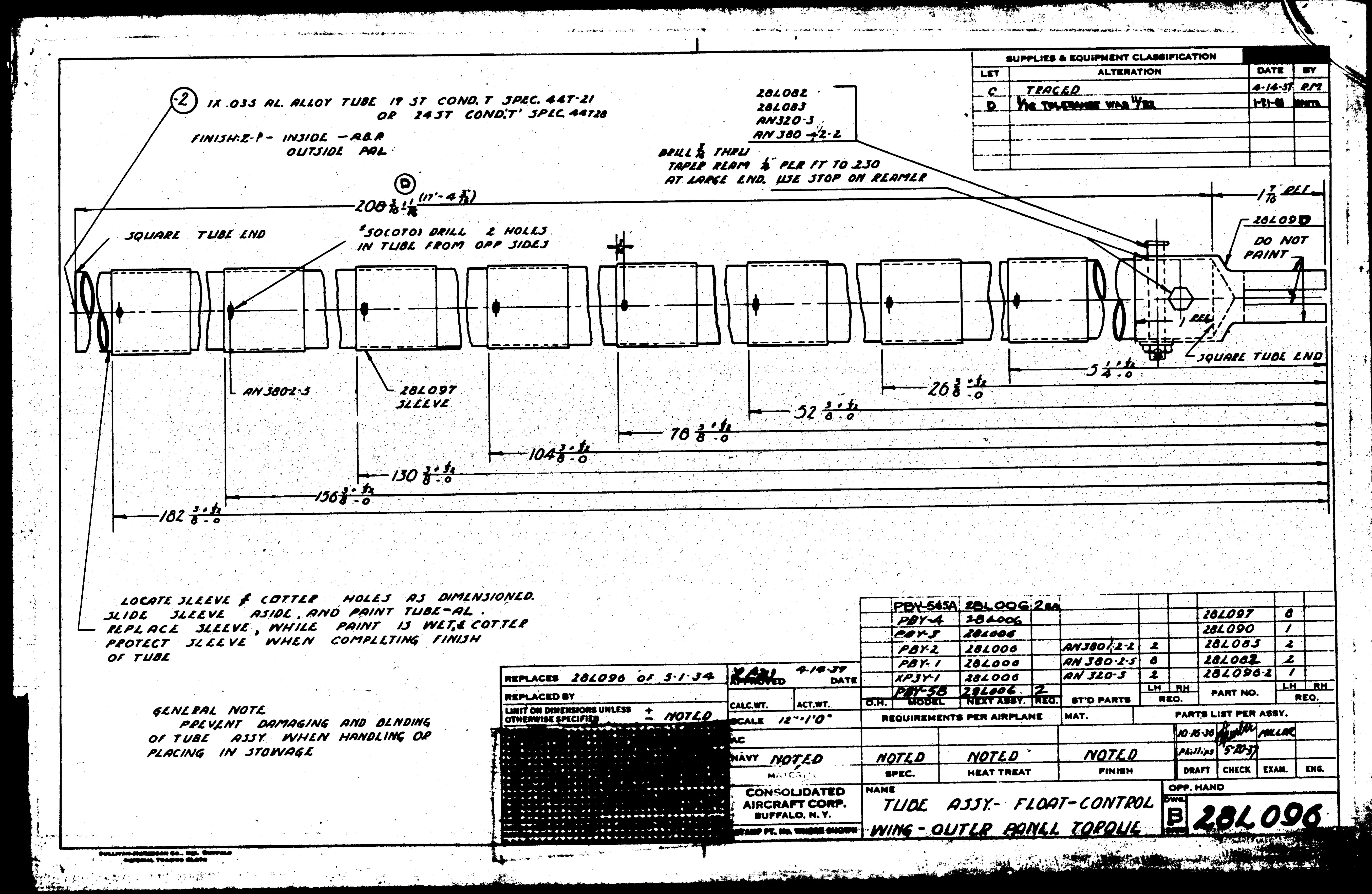


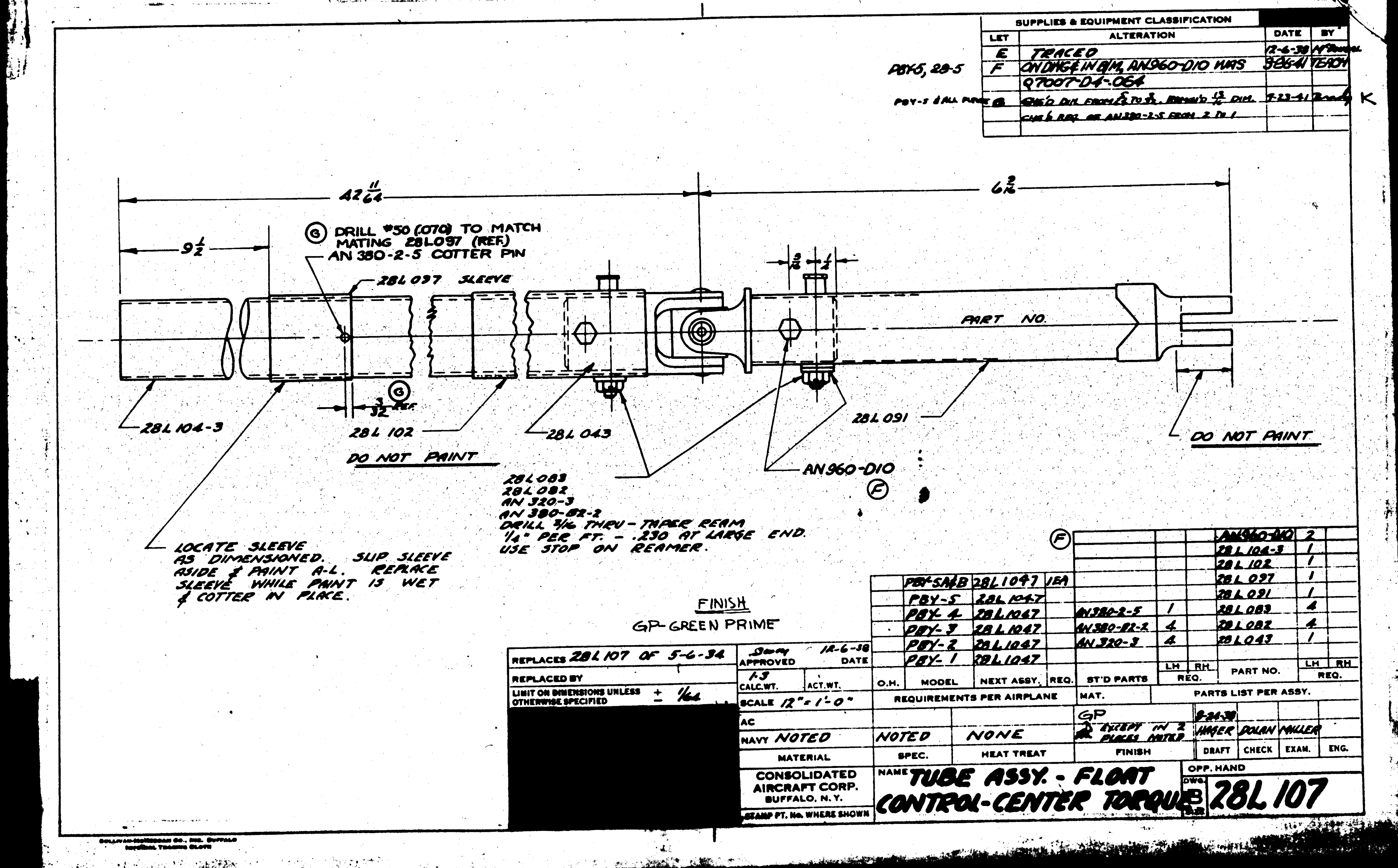
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
D – TRACED UP TO DATE 8-6-37 REINSCH
E 1/4 R WAS 9/16 R 9-22-37 H.E.A.
F INCREASED DEPTH OF CUTOUT IN -4 1-27-40 Powers
REAM .624 .623
SEE MAT. NOTE
11/16 R
1/4 R
DRILL 13/16
3/4 R.
Q620-16-22.5 PRESS IN PLACE
SYMM. ABOUT
63/64 R
-2 -3 .063 × 2 5/16 × 4 29/32 C.M. STL SHEET. SPEC. 47S14a
-4 .063 × 2 × 3 1/16 C.M. STL. SHEET SPEC. 47S14a
-5 13/16 DIA. × 1/8 WALL CR. MOLY STL TUBE SPEC. 44T18a
USE ONE PIECE 2 1/2 LONG & MILL THRU AFTER H.T. (TO PREVENT DISTORTION)
GP-GREEN PRIME
FINISH CODE
AP
C CADMIUM PLATE
PBY-5&5A 28L081 2EA
PBY-4 28L081
PBY-3 28L081
PBY-2 28L081
PBY-1 28L081
XP3Y-1 28L081
PBY-5B 28L081 2
O.H. MODEL NEXT ASSY. REQ.
REQUIREMENTS PER AIRPLANE
ST'D PARTS
MAT.
Q620-16-22.5 2
28L079-5 1
28L079-4 1
28L079-3 1
28L079-2 1
PART NO. LH RH REQ.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±.010
APPROVED 1-9-36 DATE
CALC.WT. .62 ACT.WT.
SCALE FULL SIZE
AC
NAVY NOTED
MATERIAL
NOTED SPEC.
NAF SH-296-1 HEAT TREAT
CP -GP FINISH
CORTE
4-13-34 2-9-37 4-30-41
DRAFT CHECK EXAM. ENG.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME FITTING-FLOAT-RETR. MECHANISM-LINK-OUTER
DWG. B 28L079


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
E | TRACED UP TO DATE | 2-5-37
F | 1 1/32 WAS 1 3/32 | 6-30-37 | M.E.A.
G | RE-LOCATED 2 PILOT HOLES To 5/16 DIM. | 1-6-38
1/8 DRILL 3 PILOT HOLES.
REAM .749 .750
GAP-FREE OF BURRS.
2 .063 CR. MOLY STEEL SHEET SPEC. 47S14a
3 R.H.
4 .037 CR. MOLY. STEEL SHEET SPEC. 47S14a.
6 R.H.
5 .109 CR. MOLY STEEL SHEET SPEC. 47S14a
NEXT ASSY.
ENG. REF.
WELD
G
F
7 7/8 x .095 WALL CR. MOLY. STEEL TUBE. SPEC. 44T18a
Q624-20-15 PRESS IN PLACE
GP-GREEN PRIME
FINISH CO
C
-R | PBY-5A&B | 28L081 | 2EA
-L | PBY-5A&B | 28L081 | 2EA
-1 | PBY-4 | 28L081-1
PBY-4 | 28L081
-1 | PBY-3 | 28L081-1
PBY-3 | 28L081
-1 | PBY-2 | 28L081-1
PBY-2 | 28L081
-1 | PBY-1 | 28L081
PBY-1 | 28L081
-1 | XP3Y-1 | 28L081
XP3Y-1 | 28L081
Q624-20-15 | 1 | 1
7 | 1 | 1
6 | | 1
5 | 1 | 1
4 | 1
3 | | 1
28L080-2 | 1
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH | RH | REQ. | PART NO. | LH | RH | REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
[redacted]
APPROVED 1-9-36 DATE
.24 CALC. WT. | ACT. WT.
SCALE FULL SIZE
AC
NAVY NOTED | NOTED | NAF. SHEET 6-1 | C-P- GP
MATERIAL | SPEC. | HEAT TREAT | FINISH
DRAFT | CHECK | EXAM. | ENG.
OPP. HAND 28L080-1
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME FITTING-FLOAT-RETRACTING-MECHANISM-LINK-INNER
DWG. B 28L080

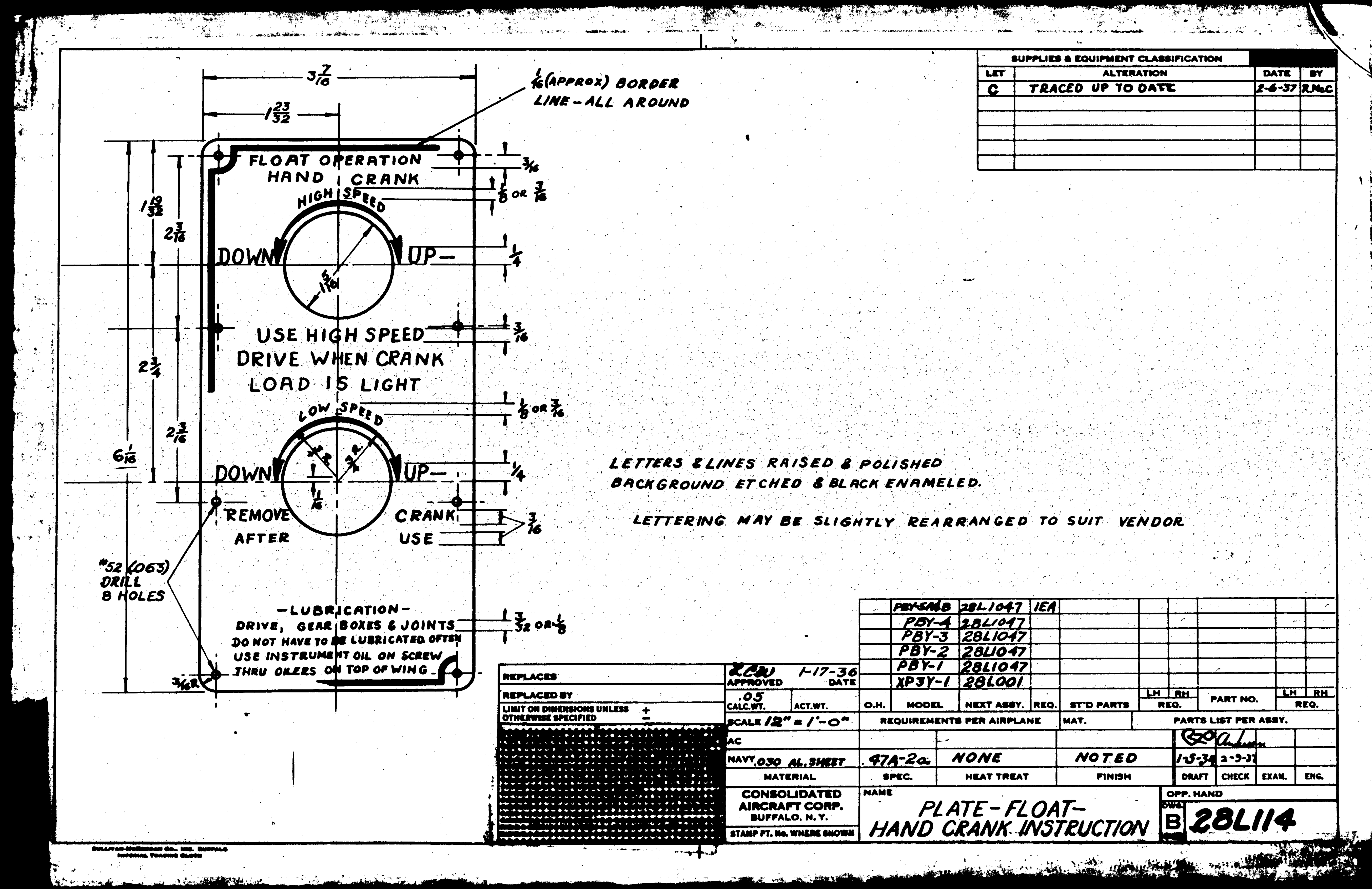


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
L | IN "FINISH" BLOCK OF S/M REMOVE 1AL AND REPLACE WITH GP | 3-10-43 | KRUK
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
H | TRACED UP TO DATE | 2-6-37
I | REMOVED BUTT JOINT NOTE | 6-12-37
J | AN24-8A(10) & AC364-428 (10) WAS AN24-8(10), AN320-4(10) & AN380-B2-2(10) WT. CHG. NEG. | 10-19-42
K | ON FACE OF DWG. REMOVED NOTES FOR -2 & -3 "COTTON FABRIC-IMPREGNATED WITH BITUM. PAINT. INSERT BETWEEN FITTING & CHANNEL" REPLACED WITH "INSERT ZINC PASTE" WT. CHG. NEG. | 2-20-43
E.O.A56947
TRIM 28L1002 TO SHAPE OF 28L079 AS INDICATED
28L1002(REF.)
28L079
3/32 DRILL 6 PLACES 22Q013-D3
(I)
28L1002
22Q013-D6
66 1/16
28L079
(-2) INSERT ZINC. CHROMATE, TAPE OR ZINC CHROMATE PASTE BETWEEN FITTING & CHANNEL AFTER 3 COATS G.P. TO EACH CONTACTING SURFACE.
(-3) INSERT ZINC CHROMATE TAPE OR ZINC CHROMATE PASTE BETWEEN FITTING & CHANNEL AFTER 3 COATS G.P. TO EACH CONTACTING SURFACE.
DRILL & REAM 5 HOLES EACH SIDE FOR AN24-8A AC364-428 (J)
(DO NOT SPLIT COTTER PINS TILL NEXT ASSY.)
28L080 FAR SIDE
28L080-1 NEAR SIDE
HEADS OUT
(I)
AN960-416
HEAD INSIDE
O.H. | MODEL | NEXT ASSY | REQ
28-5AMN | 28L078 | 2
28-5AMC | | 2
28-5MN | | 2
28-5ME | | 2
28-5MC | | 2
28-5MA | | 2
PBY-5 | 28L078 | 2
PBY-5MB | 28L078 | 2EA
PBY-3-4 | 28L078-1
PBY-3-4 | 28L078
PBY-2 | 28L078-1
PBY-2 | 28L078
PBY-1 | 28L078-1
PBY-1 | 28L078
XP3Y-1 | 28L078-1
XP3Y-1 | 28L078
O.H. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
ST'D PARTS | REQ. LH | RH
AN960-416 | 2
AC364-428 | 10
AN24-8A | 10
MAT.
PART NO. | REQ. LH | RH
28L081-3 | 2
28L081-2 | 2
28L1002 | 1
22Q013-D6 | 16
22Q013-D3 | 12
28L080-1 | 1
28L080 | 1
28L079 | 1
PARTS LIST PER ASSY.
REPLACES 28L081 of 4-18-34
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED +
APPROVED 1-6-36 DATE
CALC.WT. 5.69
ACT.WT.
SCALE 6" = 1'
AC
NAVY NOTED
MATERIAL
NOTED
SPEC.
NOTED
HEAT TREAT
G.P. (L)
FINISH
MILLER
12-10-35 2-9-37
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME LINK - FLOAT RETRACTING MECHANISM
OPP. HAND
B 28L081

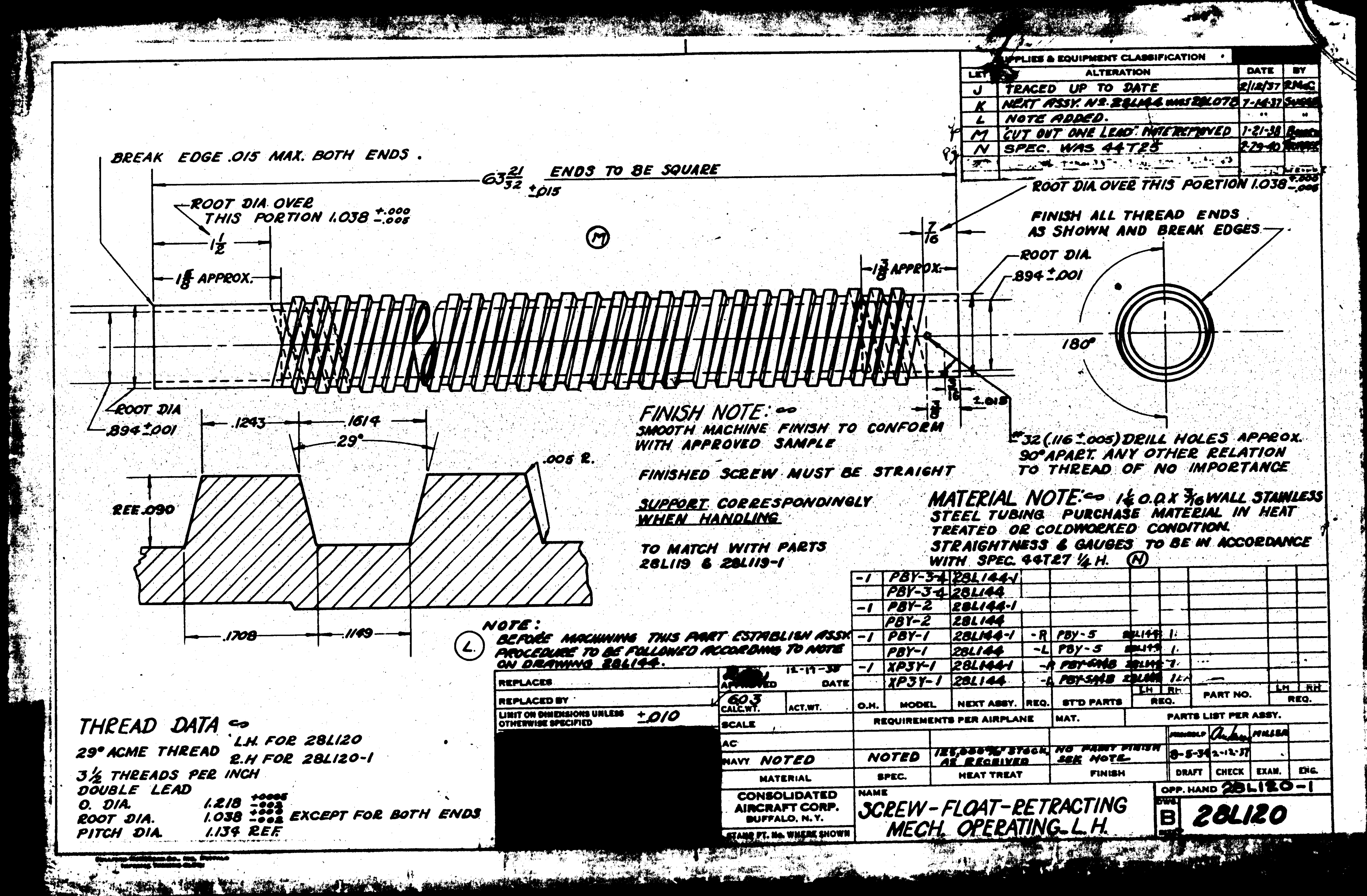

SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C | TRACED | 4-14-37 | RM
D | 1/16 TOLERANCE WAS 1/32 | 1-21-41
(2) 1X .035 AL. ALLOY TUBE 17 ST COND. T SPEC. 44T-21
OR 24ST COND.'T' SPEC. 44T28
FINISH:Z-P - INSIDE - ABR
OUTSIDE PAL
28L082
28L083
AN320-3
AN380-2-2
DRILL 3/16 THRU
TAPER REAM 1/4" PER FT TO .230
AT LARGE END. USE STOP ON REAMER
(D) 208 3/16 ± 1/16 (17'-4 3/16)
1 7/16 REF
28L090
DO NOT PAINT
SQUARE TUBE END
#50(.070) DRILL 2 HOLES
IN TUBE FROM OPP SIDES
1 REF
SQUARE TUBE END
AN380-2-5
28L097
SLEEVE
5 1/4 +1/32 -0
26 3/8 +1/32 -0
52 3/8 +1/32 -0
78 3/8 +1/32 -0
104 3/8 +1/32 -0
130 3/8 +1/32 -0
156 3/8 +1/32 -0
182 3/8 +1/32 -0
LOCATE SLEEVE & COTTER HOLES AS DIMENSIONED.
SLIDE SLEEVE ASIDE, AND PAINT TUBE-AL.
REPLACE SLEEVE, WHILE PAINT IS WET, & COTTER
PROTECT SLEEVE WHEN COMPLETING FINISH
OF TUBE
GENERAL NOTE
PREVENT DAMAGING AND BENDING
OF TUBE ASSY WHEN HANDLING OR
PLACING IN STOWAGE
PBY-5&5A 28L006 2 EA
PBY-4 28L006
PBY-3 28L006
PBY-2 28L006
PBY-1 28L006
XP3Y-1 28L006
PBY-5B 28L006 2
O.H. MODEL NEXT ASSY. REQ.
AN380-2-2 2
AN380-2-5 8
AN320-3 2
ST'D PARTS REQ. LH RH
28L097 8
28L090 1
28L083 2
28L082 2
28L096-2 1
PART NO. REQ. LH RH
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES 28L096 OF 5-1-34
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED + - NOTED
APPROVED 4-14-37 DATE
CALC.WT. ACT.WT.
SCALE 12"-1'0"
[redacted]
NAVY NOTED
NOTED NOTED NOTED
SPEC. HEAT TREAT FINISH
10-15-36 Phillips 5-20-37
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
NAME
TUBE ASSY.- FLOAT-CONTROL
WING - OUTER PANEL TORQUE
OPP. HAND
DWG. B 28L096



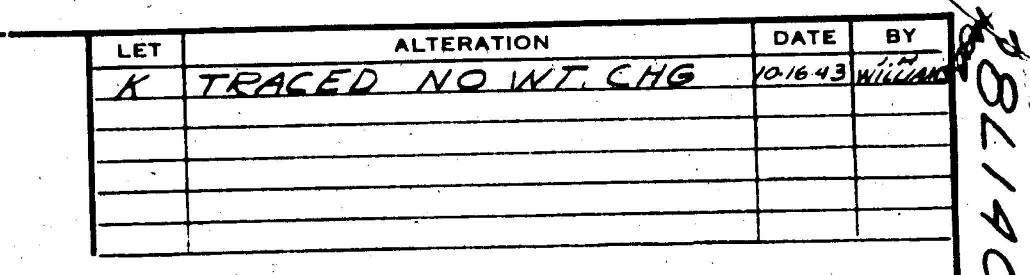
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
E | TRACED | 12-6-38
F | CHANGE IN B/M, AN960-D10 WAS Q7007-D4-064
PBY-5, 28-5
PBY-5 & ALL PREV.
K
42 11/64
6 9/16
9 1/2
Ⓖ DRILL #50 (.070) TO MATCH MATING 28L097 (REF.)
AN 380-2-5 COTTER PIN
28L 097 SLEEVE
3/16
1/2
PART NO.
3/32 REF.
28L 104-3
28L 102
28L 043
28L 091
DO NOT PAINT
DO NOT PAINT
AN960-D10
28L 083
28L 082
AN 320-3
AN 380-B2-2
DRILL 3/16 THRU - TAPER REAM
1/4" PER FT. - .230 AT LARGE END.
USE STOP ON REAMER.
LOCATE SLEEVE AS DIMENSIONED. SLIP SLEEVE ASIDE & PAINT A-L. REPLACE SLEEVE WHILE PAINT IS WET & COTTER IN PLACE.
FINISH
GP-GREEN PRIME
PBY-5A&B 28L1047 1EA
PBY-5 28L1047
PBY-4 28L1047
PBY-3 28L1047
PBY-2 28L1047
PBY-1 28L1047
AN380-2-5 1
AN380-B2-2 4
AN320-3 4
AN960-D10 2
28L104-3 1
28L102 1
28L097 1
28L091 1
28L083 4
28L082 4
28L043 1
REPLACES 28L107 OF 5-6-34
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64
APPROVED 12-6-38 DATE
1.3 CALC.WT.
ACT.WT.
SCALE 12" = 1'-0"
O.H. MODEL NEXT ASSY. REQ.
REQUIREMENTS PER AIRPLANE
ST'D PARTS LH RH REQ.
PART NO. LH RH REQ.
MAT.
PARTS LIST PER ASSY.
[redacted]
AC
NAVY NOTED
NOTED
NONE
GP EXCEPT IN 2 PLACES NOTED
9-24-38
HAGER DOLAN MILLER
MATERIAL SPEC. HEAT TREAT FINISH DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME TUBE ASSY. - FLOAT CONTROL-CENTER TORQUE
OPP. HAND
DWG. B 28L107



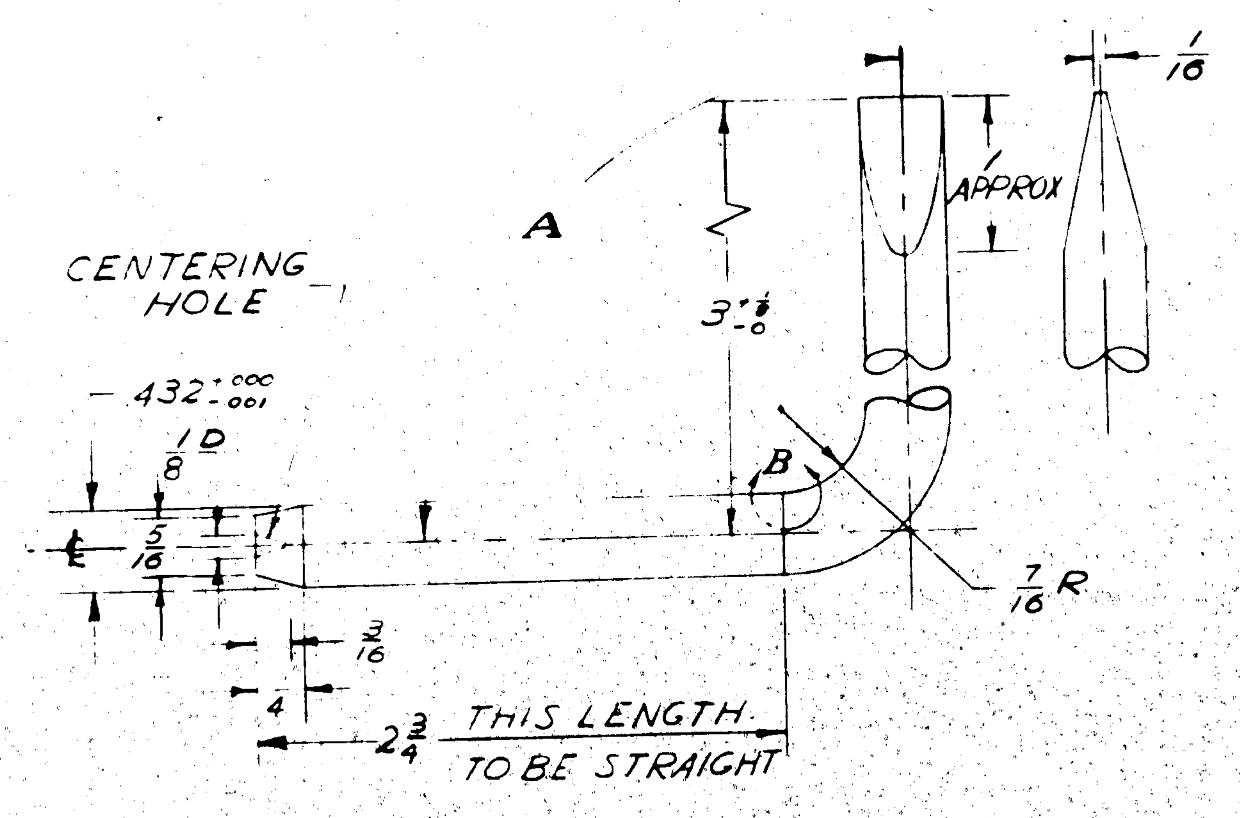
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C | TRACED UP TO DATE | 2-6-37 | R.McC
1/16 (APPROX) BORDER LINE - ALL AROUND
3 7/16
1 23/32
FLOAT OPERATION
HAND CRANK
HIGH SPEED
DOWN
UP
USE HIGH SPEED DRIVE WHEN CRANK LOAD IS LIGHT
LOW SPEED
REMOVE AFTER
CRANK USE
-LUBRICATION-
DRIVE, GEAR BOXES & JOINTS DO NOT HAVE TO BE LUBRICATED OFTEN
USE INSTRUMENT OIL ON SCREW THRU OILERS ON TOP OF WING
#52 (.063) DRILL 8 HOLES
3/16 R
1 19/32
2 3/16
2 3/4
2 3/16
6 1/16
3/16
1/8 OR 3/16
1/4
3/32 OR 1/8
LETTERS & LINES RAISED & POLISHED
BACKGROUND ETCHED & BLACK ENAMELED.
LETTERING MAY BE SLIGHTLY REARRANGED TO SUIT VENDOR
PBY-5A B 28L1047 1EA
PBY-4 28L1047
PBY-3 28L1047
PBY-2 28L1047
PBY-1 28L1047
XP3Y-1 28L001
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
APPROVED 1-17-36 DATE
.05 CALC.WT.
ACT.WT.
SCALE 12" = 1'-0"
NAVY .030 AL. SHEET
MATERIAL
47A-2a SPEC.
NONE HEAT TREAT
NOTED FINISH
1-5-36 DRAFT
2-3-37 CHECK
EXAM.
ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N. Y.
STAMP PT. No. WHERE SHOWN
NAME
PLATE-FLOAT-HAND CRANK INSTRUCTION
OPP. HAND
DWG. B 28L114


SUPPLIES & EQUIPMENT CLASSIFICATION
LETTER
ALTERATION
DATE
BY
J TRACED UP TO DATE 2/12/37
K NEXT ASSY. NO. 28L144 WAS 28L078 7-14-37
L NOTE ADDED.
M "CUT OUT ONE LEAD" NOTE REMOVED 1-21-38
N SPEC. WAS 44T25 2-29-40
BREAK EDGE .015 MAX. BOTH ENDS.
63 21/32 ±.015 ENDS TO BE SQUARE
ROOT DIA OVER THIS PORTION 1.038 +.000 -.005
1 1/2
1 5/8 APPROX.
ROOT DIA OVER THIS PORTION 1.038 +.000 -.005
7/16
1 3/8 APPROX.
FINISH ALL THREAD ENDS AS SHOWN AND BREAK EDGES.
ROOT DIA .894 ±.001
180°
ROOT DIA .894 ±.001
3/16
3/8
.015
#32 (.116 ±.005) DRILL HOLES APPROX. 90° APART. ANY OTHER RELATION TO THREAD OF NO IMPORTANCE
.1243
.1614
29°
.005 R.
REF .090
.1708
.1149
FINISH NOTE:–
SMOOTH MACHINE FINISH TO CONFORM WITH APPROVED SAMPLE
FINISHED SCREW MUST BE STRAIGHT
SUPPORT CORRESPONDINGLY WHEN HANDLING
TO MATCH WITH PARTS 28L119 & 28L119-1
MATERIAL NOTE:– 1 1/4 O.D. X 3/16 WALL STAINLESS STEEL TUBING. PURCHASE MATERIAL IN HEAT TREATED OR COLDWORKED CONDITION. STRAIGHTNESS & GAUGES TO BE IN ACCORDANCE WITH SPEC. 44T27 1/4 H.
NOTE:
BEFORE MACHINING THIS PART ESTABLISH ASSY. PROCEDURE TO BE FOLLOWED ACCORDING TO NOTE ON DRAWING 28L144.
-1 PBY-3-4 28L144-1
PBY-3-4 28L144
-1 PBY-2 28L144-1
PBY-2 28L144
-1 PBY-1 28L144-1 -R PBY-5 28L144 1
PBY-1 28L144 -L PBY-5 28L144 1
-1 XP3Y-1 28L144-1 -R PBY-5A 28L144 1
XP3Y-1 28L144 -L PBY-5A 28L144 1
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±.010
APPROVED 12-17-35 DATE
603 CALC. WT.
ACT. WT.
O.H.
MODEL
NEXT ASSY.
REQ.
STD PARTS
LH RH REQ.
PART NO.
LH RH REQ.
SCALE
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
AC
NAVY NOTED
NOTED
125,000# STOCK AS RECEIVED
NO PAINT FINISH SEE NOTE
8-5-34 2-12-37
DRAFT CHECK EXAM. ENG.
MATERIAL
SPEC.
HEAT TREAT
FINISH
OPP. HAND 28L120-1
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
SCREW-FLOAT-RETRACTING MECH. OPERATING L.H.
B 28L120
[redacted]
THREAD DATA:–
L.H. FOR 28L120
R.H FOR 28L120-1
29° ACME THREAD
3 1/2 THREADS PER INCH
DOUBLE LEAD
O. DIA. 1.218 +.0005 -.002
ROOT DIA. 1.038 +.002 -.002 EXCEPT FOR BOTH ENDS
PITCH DIA. 1.134 REF.

28L140



LET	ALTERATION	DATE	BY
K	TRACED NO WT. CHG	10-16-43	J.H. WILLIAMS



DETAIL -6 & -7

UNDERCUT 1/16 IF NECESSARY TO MAINTAIN STRAIGHTNESS

DASH NO	A
-6	90°±1°
-7	110°±1°

DETAIL B

NOTES:
1. IT IS PERMISSABLE TO LEAVE CENTERING HOLE IN PINS 28L140-6 & -7 AT THE ROUND END. THIS ELIMINATES WASTE OF MATERIAL & FACILITATES PRODUCTION.
2. MACHINING REFERENCE: PIN LENGTH BEFORE BENDING 6 1/8

ASSY. DASH No	MODEL	NEXT ASSY.	REQ
-7	PBY-5A	28L001	2
-7	ALL 28-5'S	28L001	2EA
-7	PBY-5 & 5B	28L001	2EA
-6	PBY-5A	28L001	2
-6	ALL 28-5'S	28L001	2EA
-6	PBY-5 & 5B	28L001	2EA
-6	PBY-1,2,3 & 4	28L001	
-6	XP3Y-1	28L001	4

REQUIREMENTS PER AIRPLANE

REPLACES 28L140 11-17-36 — CALC. WT. .25

REPLACED BY — ACT. WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.
-7	9/16 D X 6 1/4	STNLS STL	AN-QQ-S-771
-6	9/16 D X 6 1/4	STNLS STL	AN-QQ-S-771

PARTS LIST PER ASSY.

-0 LH REQ.	-0 RH REQ.	-2 LH REQ.	-2 RH REQ.	-3 LH REQ.	-3 RH REQ.	-4 LH REQ.	-4 RH REQ.	-5 LH REQ.	-5 RH REQ.

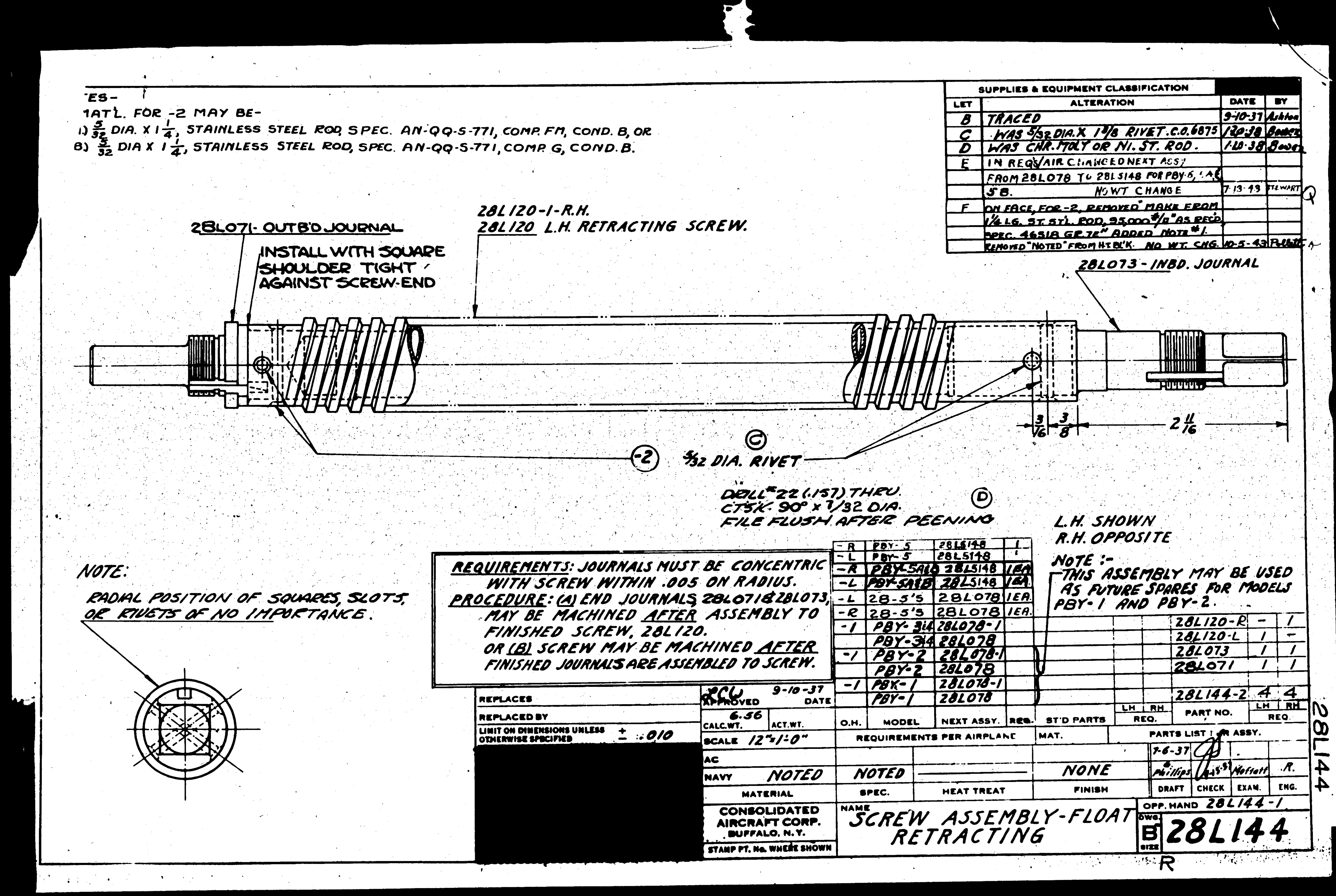
AC		MAND'F.	J.S			L CW	
NAVY APPROX 125,000 P.S.I.	NONE	1-11-39	12-1-36			11-17-36	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

OPP. HAND

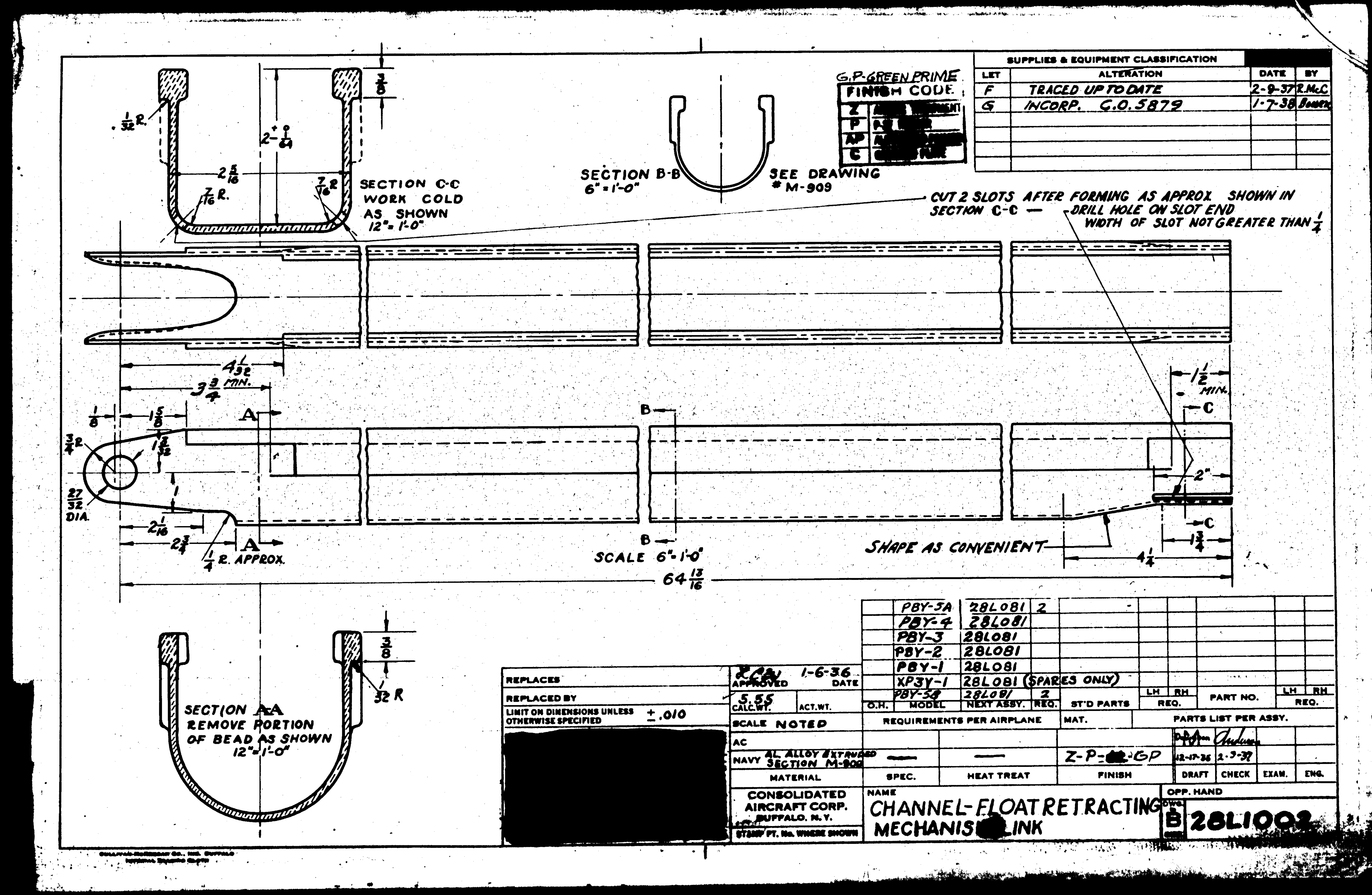
NAME PIN - FLOAT - STRUTS TO WING

DWG. SIZE B 28L140

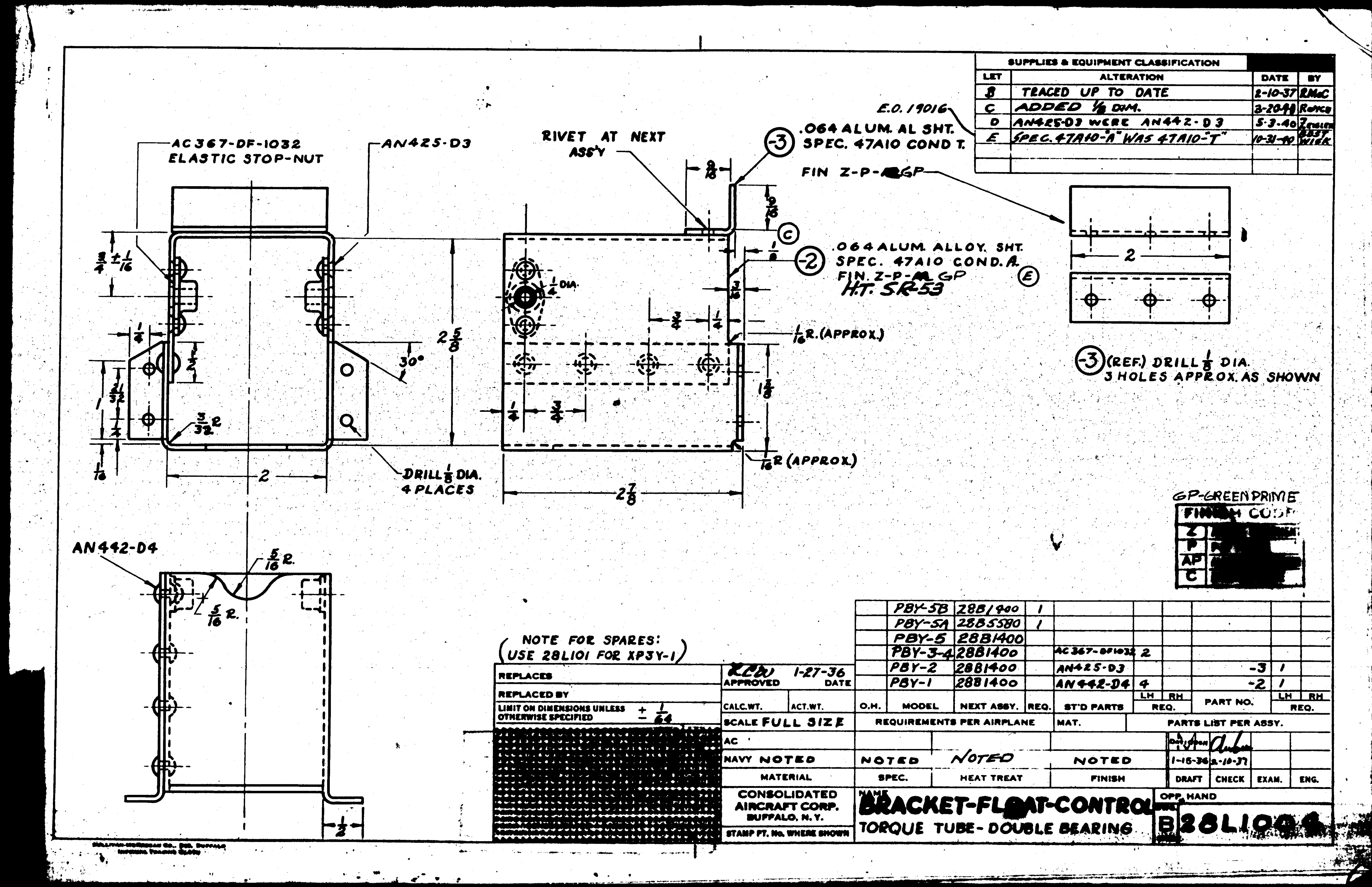
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



ES-
1 MAT'L. FOR -2 MAY BE-
1) 5/32 DIA. X 1 1/4, STAINLESS STEEL ROD SPEC. AN-QQ-S-771, COMP. FM, COND. B, OR
2) 5/32 DIA X 1 1/4, STAINLESS STEEL ROD, SPEC. AN-QQ-S-771, COMP. G, COND. B.
SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
B TRACED 9-10-37 Ashton
C WAS 5/32 DIA. X 1 3/8 RIVET. C.O. 6875 1-20-38
D WAS CHR. MOLY OR NI. ST. ROD. 1-20-38
E IN REQS/AIR CHANGED NEXT ASSY FROM 28L078 TO 28L5148 FOR PBY-5, 5A & 5B. NO WT CHANGE 7-13-43 STEWART
F ON FACE, FOR -2, REMOVED "MAKE FROM 1/4 LG. ST. STL. ROD, 95,000 #/□" AS REQ'D, SPEC. 46518 GR. 7E" ADDED NOTE #1.
REMOVED "NOTED" FROM HT BL'K. NO WT. CHG. 10-5-43
28L071- OUTB'D JOURNAL
INSTALL WITH SQUARE SHOULDER TIGHT AGAINST SCREW-END
28L120-1-R.H.
28L120 L.H. RETRACTING SCREW.
28L073 - INBD. JOURNAL
3/16
3/8
2 11/16
-2
C
5/32 DIA. RIVET
DRILL #22 (.157) THRU.
CTSK. 90° x 7/32 DIA.
FILE FLUSH AFTER PEENING
D
L.H. SHOWN
R.H. OPPOSITE
NOTE :-
THIS ASSEMBLY MAY BE USED AS FUTURE SPARES FOR MODELS PBY-1 AND PBY-2.
NOTE:
RADIAL POSITION OF SQUARES, SLOTS, OR RIVETS OF NO IMPORTANCE.
REQUIREMENTS: JOURNALS MUST BE CONCENTRIC WITH SCREW WITHIN .005 ON RADIUS.
PROCEDURE: (A) END JOURNALS 28L071 & 28L073, MAY BE MACHINED AFTER ASSEMBLY TO FINISHED SCREW, 28L120.
OR (B) SCREW MAY BE MACHINED AFTER FINISHED JOURNALS ARE ASSEMBLED TO SCREW.
-R PBY-5 28L5148 1
-L PBY-5 28L5148 1
-R PBY-5A&B 28L5148 1EA
-L PBY-5A&B 28L5148 1EA
-L 28-5'S 28L078 1EA.
-R 28-5'S 28L078 1EA.
-1 PBY-3&4 28L078-1
PBY-3&4 28L078
-1 PBY-2 28L078-1
PBY-2 28L078
-1 PBY-1 28L078-1
PBY-1 28L078
28L120-R - 1
28L120-L 1 -
28L073 1 1
28L071 1 1
28L144-2 4 4
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST FOR ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
APPROVED 9-10-37 DATE
6.56 CALC. WT. ACT. WT.
SCALE 12"=1'-0"
AC
NAVY NOTED NOTED NONE
MATERIAL SPEC. HEAT TREAT FINISH
7-6-37 Phillips Moffett
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME SCREW ASSEMBLY-FLOAT RETRACTING
OPP. HAND 28L144-1
DWG. B SIZE 28L144
R
28L144



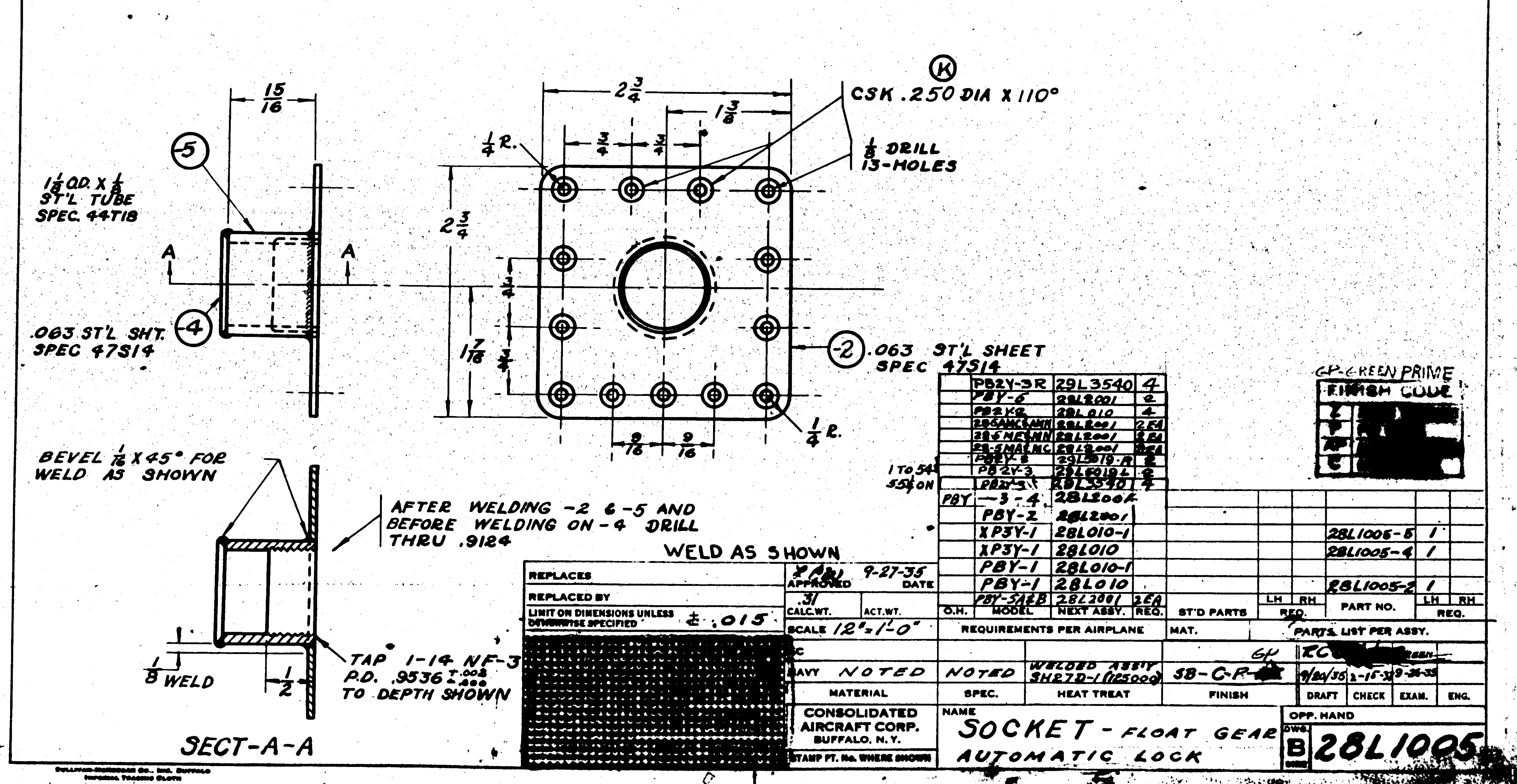
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
F | TRACED UP TO DATE | 2-9-37 | R.McC
G | INCORP. C.O. 5879 | 1-7-38 | Bowers
G.P-GREEN PRIME
FINISH CODE
Z [redacted]
P [redacted]
AP [redacted]
C [redacted]
SECTION C-C
WORK COLD
AS SHOWN
12" = 1'-0"
SECTION B-B
6" = 1'-0"
SEE DRAWING
M-909
CUT 2 SLOTS AFTER FORMING AS APPROX. SHOWN IN SECTION C-C — DRILL HOLE ON SLOT END
WIDTH OF SLOT NOT GREATER THAN 1/4
1/32 R.
7/16 R.
2 5/16
3/8
2 +0 -1/64
4 1/32
3 3/4 MIN.
1/8
1 5/8
3/4 R
1 3/32
27/32 DIA.
1
2 1/16
2 3/4
1/4 R. APPROX.
A
B
C
1 1/2 MIN.
2"
1 3/4
4 1/4
SCALE 6" = 1'-0"
SHAPE AS CONVENIENT
64 13/16
SECTION A-A
REMOVE PORTION
OF BEAD AS SHOWN
12" = 1'-0"
1/32 R
PBY-5A 28L081 2
PBY-4 28L081
PBY-3 28L081
PBY-2 28L081
PBY-1 28L081
XP3Y-1 28L081 (SPARES ONLY)
PBY-5A 28L081 2
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
[redacted]
APPROVED 1-6-36 DATE
5.55 CALC. WT.
ACT. WT.
SCALE NOTED
AC
NAVY AL. ALLOY EXTRUDED SECTION M-909
MATERIAL
SPEC.
HEAT TREAT
Z-P-[redacted]-GP
FINISH
12-17-36 2-9-37
DRAFT CHECK EXAM. ENG.
CONSOLIDATED
AIRCRAFT CORP.
BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
CHANNEL-FLOAT RETRACTING MECHANIS[redacted] LINK
OPP. HAND
DWG. B
28L1002

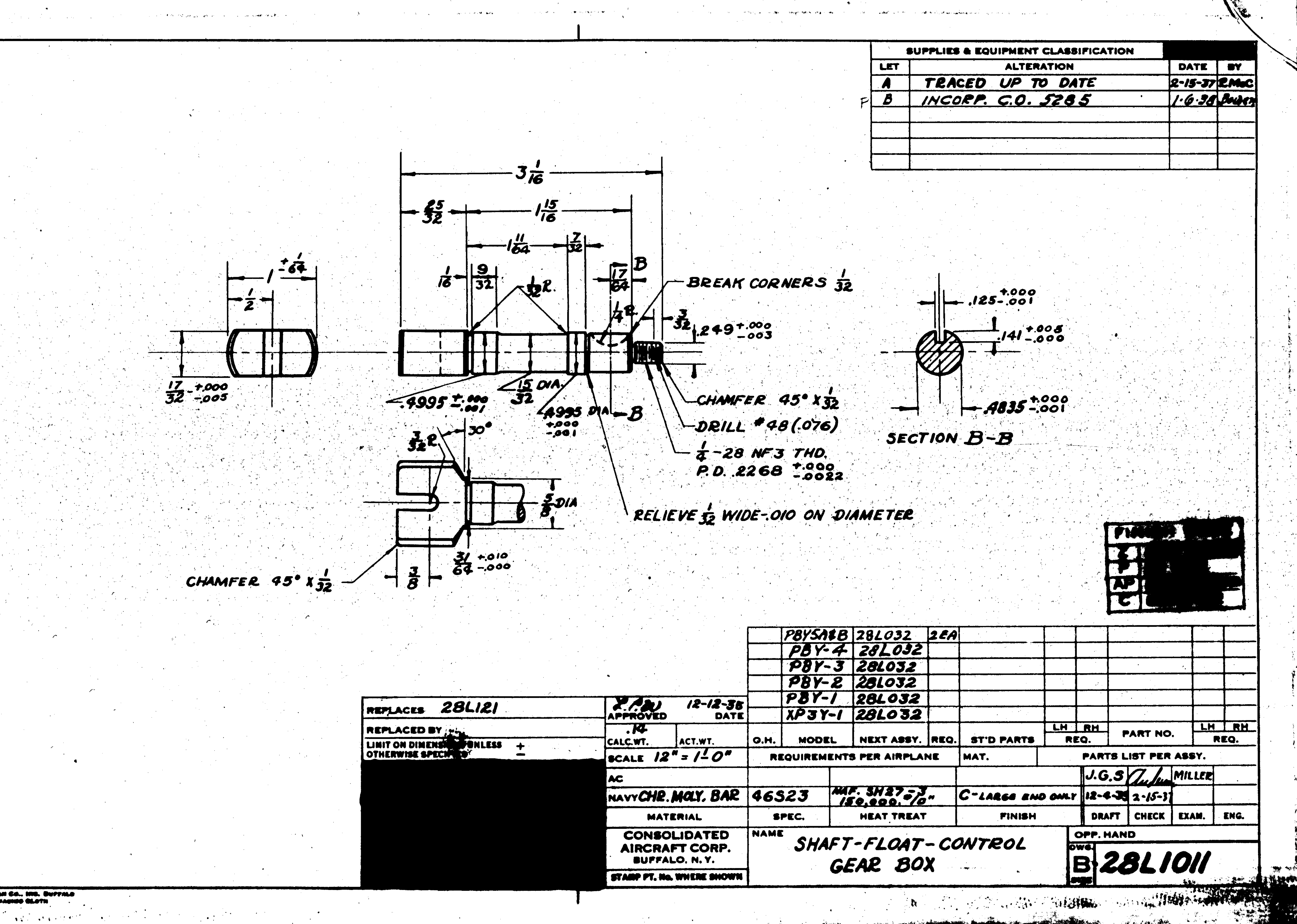


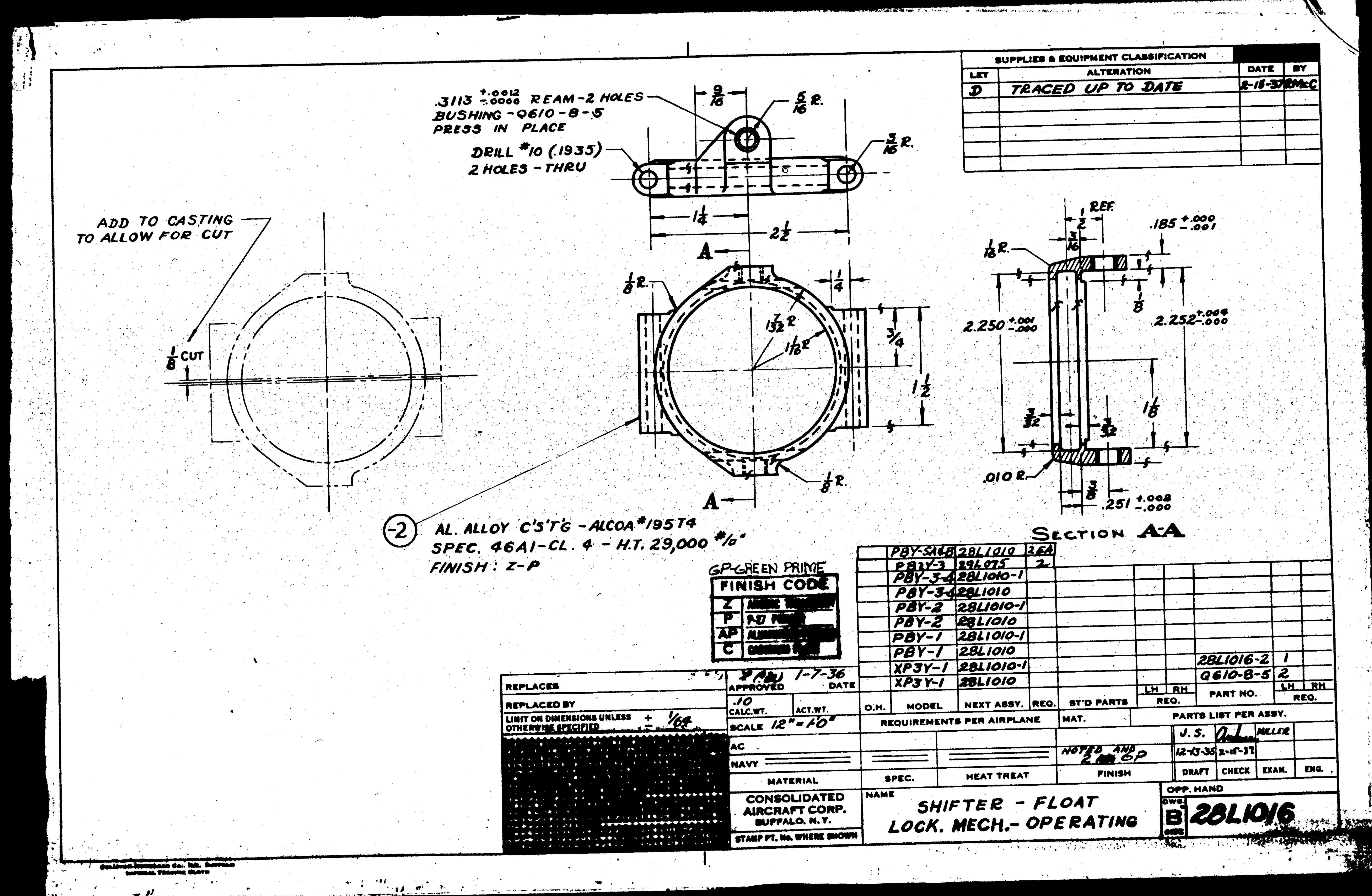
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B | TRACED UP TO DATE | 2-10-37 | RMcC
C | ADDED 1/8 DIM. | 3-20-40 | Royce
D | AN425-D3 WERE AN442-D3 | 5-3-40 | Zersen
E | SPEC. 47A10-"A" WAS 47A10-"T" | 10-31-40 | WICK
E.O. 19016
AC367-DF-1032
ELASTIC STOP-NUT
AN425-D3
RIVET AT NEXT ASS'Y
-3 .064 ALUM. AL SHT. SPEC. 47A10 COND T.
FIN Z-P-GP
-2 .064 ALUM. ALLOY. SHT. SPEC. 47A10 COND. A
FIN. Z-P-GP
H.T. SR-53
1/4 DIA.
30°
3/32 R
1/16 R. (APPROX.)
1/16 R (APPROX.)
DRILL 1/8 DIA. 4 PLACES
-3 (REF.) DRILL 1/8 DIA. 3 HOLES APPROX. AS SHOWN
GP-GREEN PRIME
FINISH CODE
Z [redacted]
P [redacted]
AP [redacted]
C [redacted]
AN442-D4
5/16 R.
NOTE FOR SPARES: USE 28L101 FOR XP3Y-1
PBY-5B | 28B1400 | 1
PBY-5A | 28B5580 | 1
PBY-5 | 28B1400
PBY-3-4 | 28B1400 | AC367-DF1032 | 2
PBY-2 | 28B1400 | AN425-D3 | -3 | 1
PBY-1 | 28B1400 | AN442-D4 | 4 | -2 | 1
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS REQ. LH RH PART NO. REQ. LH RH
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64
APPROVED 1-27-36 DATE
CALC.WT. ACT.WT.
SCALE FULL SIZE
AC
NAVY NOTED
NOTED NOTED NOTED
MATERIAL SPEC. HEAT TREAT FINISH
1-15-36 2-10-37
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME BRACKET-FLOAT-CONTROL
TORQUE TUBE-DOUBLE BEARING
OPP. HAND
B 28L1004

BREWSTER
EO# 644

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
H	TRACED UP TO DATE	2-12-37	R.McC
J	C'S'K .250 DIA. X 110° WAS C'SK .226 DIA. X 78°. NO WT. CHG.	1-27-43	

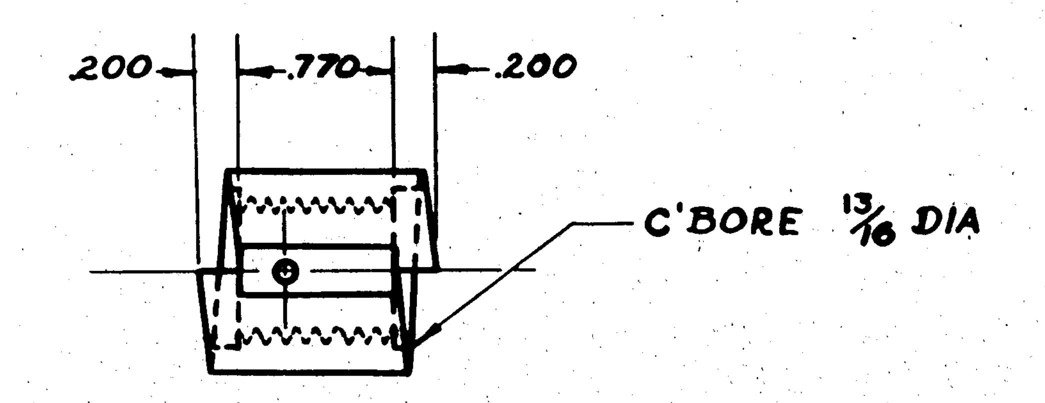


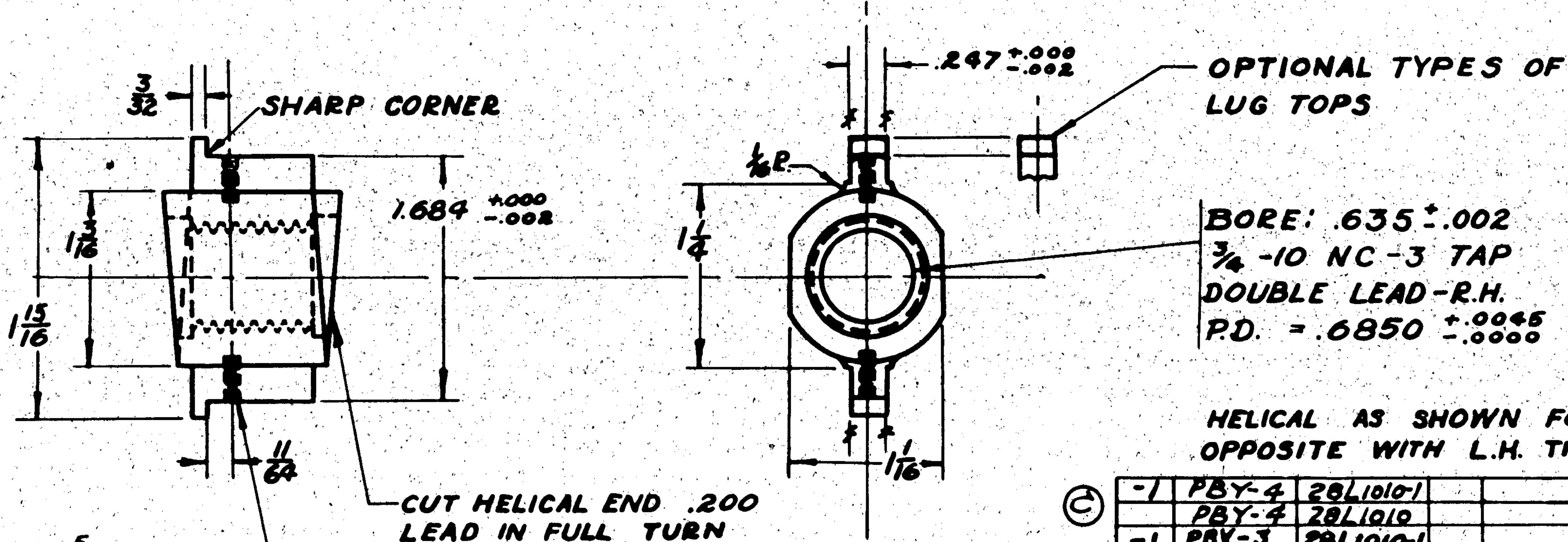

SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED UP TO DATE | 2-15-37 | RMcC
B | INCORP. C.O. 5285 | 1-6-38
3 1/16
25/32
1 15/16
1 11/64
7/32
1 +1/64 -
1/2
1/16
9/32
1/32 R.
17/64
B
BREAK CORNERS 1/32
1/4 R.
3/32
.249 +.000 -.003
17/32 +.000 -.005
.4995 +.000 -.001
15/32 DIA.
.4995 DIA +.000 -.001
B
CHAMFER 45° X 1/32
DRILL #48 (.076)
1/4-28 NF3 THD.
P.D. .2268 +.000 -.0022
RELIEVE 1/32 WIDE-.010 ON DIAMETER
3/32 R
30°
5/8 DIA
31/64 +.010 -.000
3/8
CHAMFER 45° X 1/32
.125 +.000 -.001
.141 +.005 -.000
.4835 +.000 -.001
SECTION B-B
[redacted]
PBY5A&B | 28L032 | 2EA
PBY-4 | 28L032
PBY-3 | 28L032
PBY-2 | 28L032
PBY-1 | 28L032
XP3Y-1 | 28L032
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES 28L121
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
[redacted]
APPROVED 12-12-35 DATE
CALC.WT. | ACT.WT.
SCALE 12" = 1'-0"
AC
NAVY CHR. MOLY. BAR | 46S23 | NAF. SH27-3 150,000 #/□" | C-LARGE END ONLY | 12-4-35 | 2-15-37
J.G.S | MILLER
MATERIAL | SPEC. | HEAT TREAT | FINISH | DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME SHAFT-FLOAT-CONTROL GEAR BOX
OPP. HAND
DWG. B 28L1011
SULLIVAN-MCKEEGAN CO., INC. BUFFALO
IMPERIAL TRACING CLOTH



SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
D
TRACED UP TO DATE
2-15-37
RMcC
.3113 +.0012 -.0000 REAM-2 HOLES
BUSHING-Q610-8-5
PRESS IN PLACE
DRILL #10 (.1935)
2 HOLES-THRU
9/16
5/16 R.
3/16 R.
1 1/4
2 1/2
ADD TO CASTING
TO ALLOW FOR CUT
1/8 CUT
A
1/8 R.
1/4
7/32 R
1 1/16 R
3/4
1 1/2
1/8 R.
1/2 REF.
3/16
1/16 R.
.185 +.000 -.001
1/8
2.250 +.001 -.000
2.252 +.004 -.000
1 1/8
3/32
.010 R.
3/8
.251 +.002 -.000
SECTION A-A
-2
AL. ALLOY C'S'T'G - ALCOA #195 T4
SPEC. 46A1-CL. 4 - H.T. 29,000 #/□"
FINISH: Z-P
GP-GREEN PRIME
FINISH CODE
Z [redacted]
P [redacted]
AP [redacted]
C [redacted]
PBY-5A&6B 28L1010 2EA
PB2Y-3 29L075 2
PBY-3-4 28L1010-1
PBY-3-4 28L1010
PBY-2 28L1010-1
PBY-2 28L1010
PBY-1 28L1010-1
PBY-1 28L1010
XP3Y-1 28L1010-1
XP3Y-1 28L1010
O.H.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
ST'D PARTS
LH
RH
REQ.
MAT.
28L1016-2 1
Q610-8-5 2
PART NO.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64
1-7-36
APPROVED
DATE
.10
CALC.WT.
ACT.WT.
SCALE 12" = 1'0"
AC
NAVY
MATERIAL
SPEC.
HEAT TREAT
NOTED AND GP
FINISH
J. S.
MILLER
12-13-35
2-15-37
DRAFT
CHECK
EXAM.
ENG.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N. Y.
STAMP PT. No. WHERE SHOWN
NAME
SHIFTER - FLOAT
LOCK. MECH. - OPERATING
DWG. B
28L1016

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
A	TRACED	2-16-37	R. McC
B	"OR DRILL AT ASSEM." REMOVED	1-20-38	[illegible]
C	PBY-4 REQ. ADDED	1-20-38	[illegible]





FINISH CODE	
Z	ANODIC T[redacted]
P	P 27 P[redacted]
AP	AL[redacted]
C	C[redacted]

HELICAL AS SHOWN FOR L.H. 28L1018
OPPOSITE WITH L.H. THD. FOR R.H. 28L1018-1

#35 (.110) DRILL 5/16 DEEP
#6-40 TAP 3/16 DEEP
JIG LOCATE

(B)

(C)

O.H.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.
-1	PBY-4	28L1010-1							
	PBY-4	28L1010							
-1	PBY-3	28L1010-1							
	PBY-3	28L1010							
-1	PBY-2	28L1010-1							
	PBY-2	28L1010							
-1	PBY-1	28L1010-1							
	PBY-1	28L1010							
-1	XP3Y-1	28L1010-1							
	XP3Y-1	28L1010							
REQUIREMENTS PER AIRPLANE				MAT.	PARTS LIST PER ASSY.				

OH	MODEL	NEXT ASSY	REQ
-R	PBY-5A	28L1010	1
-L	PBY-5A	28L1010	1
-R	PBY-5B	28L1010	1
-L	PBY-5B	28L1010	1

REPLACES

REPLACED BY

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010

APPROVED [illegible] DATE 1-13-36

CALC.WT. ACT.WT.

SCALE 12" = 1'-0"

AC

MATERIAL	SPEC.	HEAT TREAT	FINISH
NAVY MANGE. BRONZE	CST 49B3	65000 #/□"	C

DRAFT	CHECK	EXAM.	ENG.
J. S.	[illegible] MILLER		
12-16-35	2-16-37		

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N. Y.

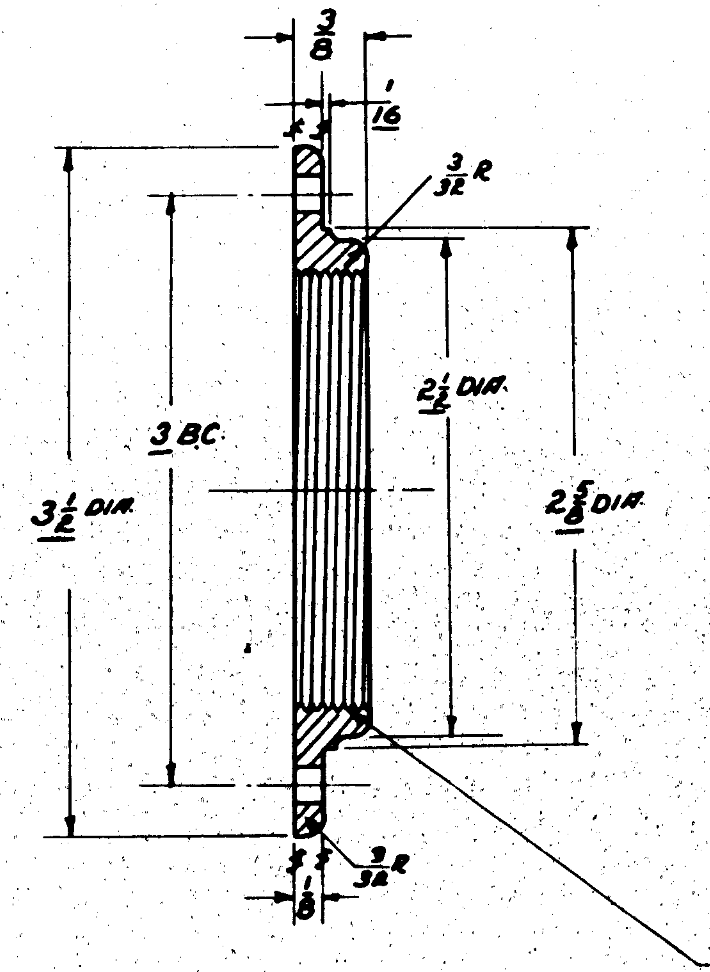
STAMP PT. No. WHERE SHOWN

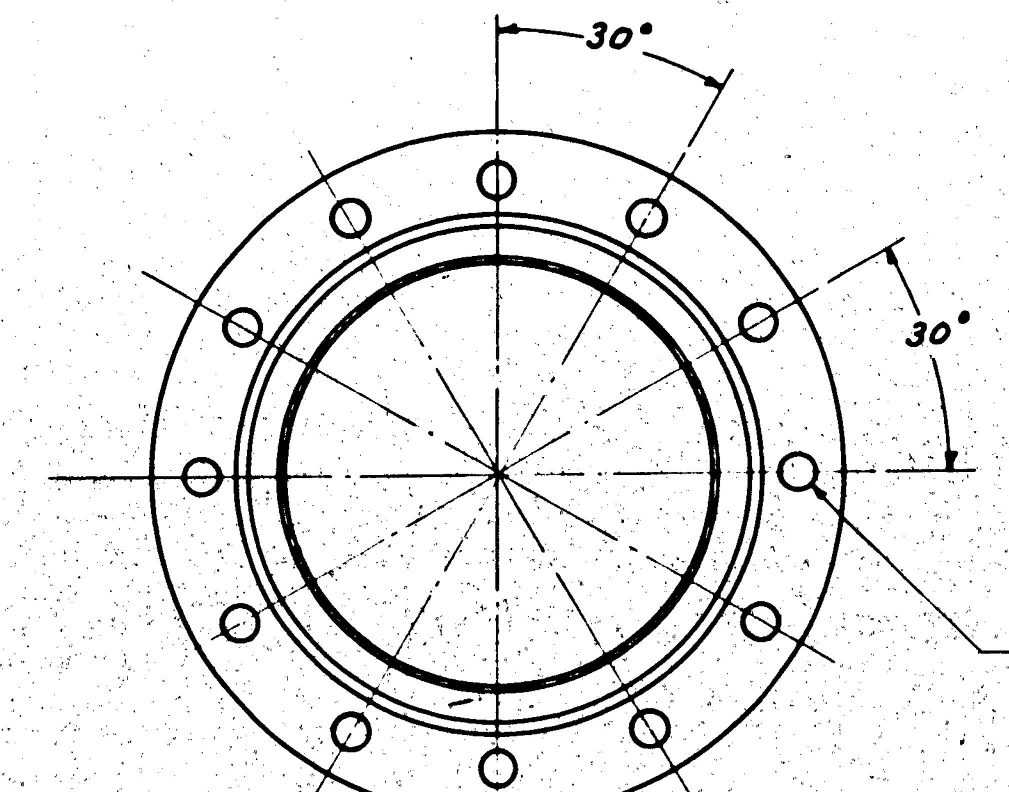
NAME: NUT - FLOAT - LOCK, & RECOIL MECH. - DRIVE

OPP. HAND 28L1018-1

DWG. B 28L1018

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
B	TRACED UP TO DATE	2-6-37	REPOLIA





GP-GREEN PRIME
FINISH C [redacted]

O.H.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28L1010	2
	PBY-5B	28L1010	2
	PBY-3	28L1010-1	
	PBY-3	28L1010	
	PBY-2	28L1010-1	
	PBY-2	28L1010	
	PBY-1-4	28L1010-1	
	PBY-1-4	28L1010	
	XP3Y-1	28L1010-1	
	XP3Y-1	28L1010	

REQUIREMENTS PER AIRPLANE

ST'D PARTS	REQ. LH	REQ. RH	PART NO.	REQ. LH	REQ. RH

MAT. | PARTS LIST PER ASSY.

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010

APPROVED RCW DATE 1-7-36
CALC. WT. .08 | ACT. WT.
SCALE 12" = 1-0"

MATERIAL	SPEC.	HEAT TREAT	FINISH
AC ALCO #195T4			
NAVY AL. ALLOY C'ST'G.	A6A1 CL.A	29,000 #/□"	Z-P-2 GP

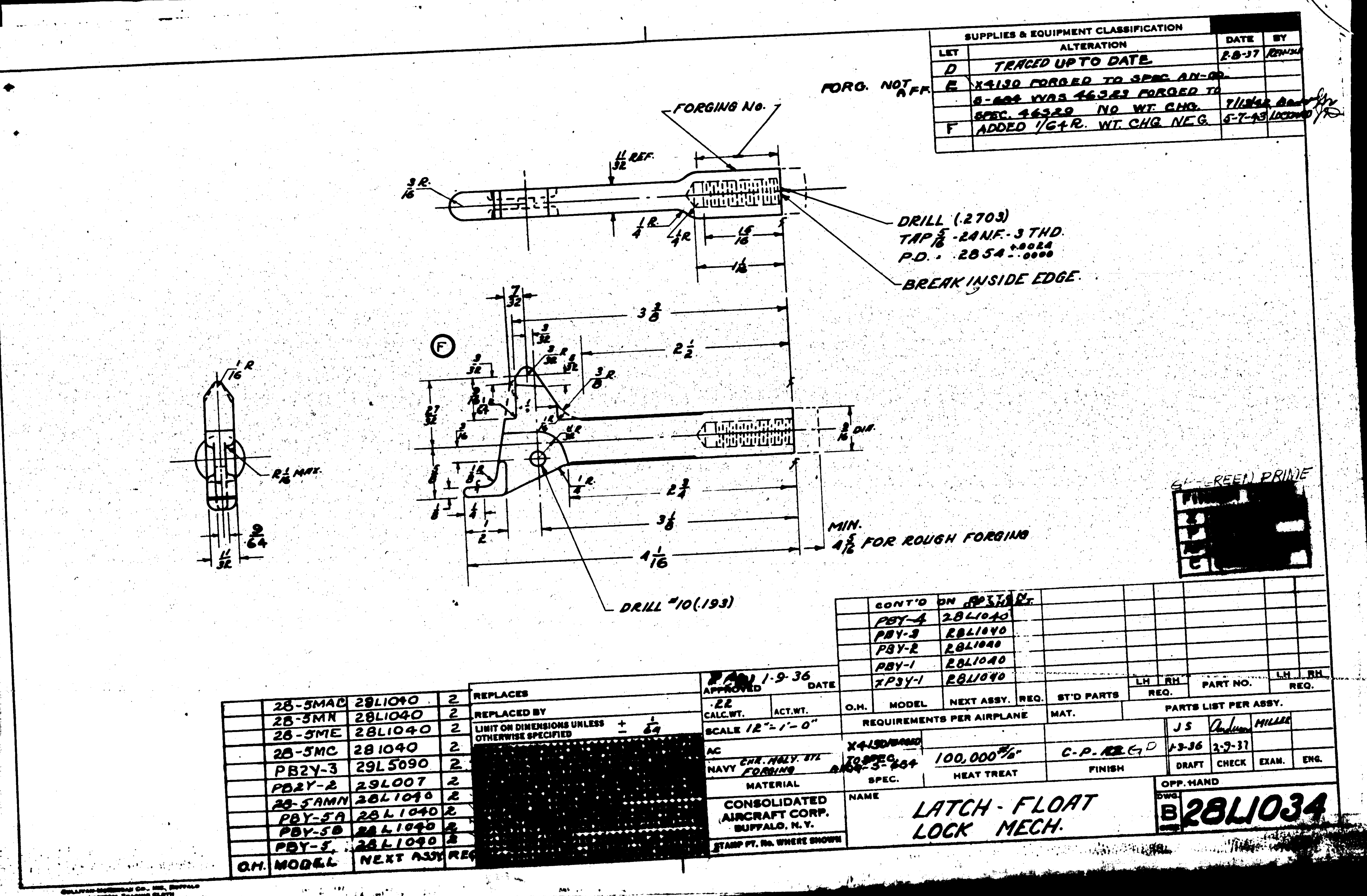
DRAFT	CHECK	EXAM.	ENG.
J.S.	[signature]	MILLER	
12-19-35	2-9-37		

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N. Y.
STAMP PT. No. WHERE SHOWN

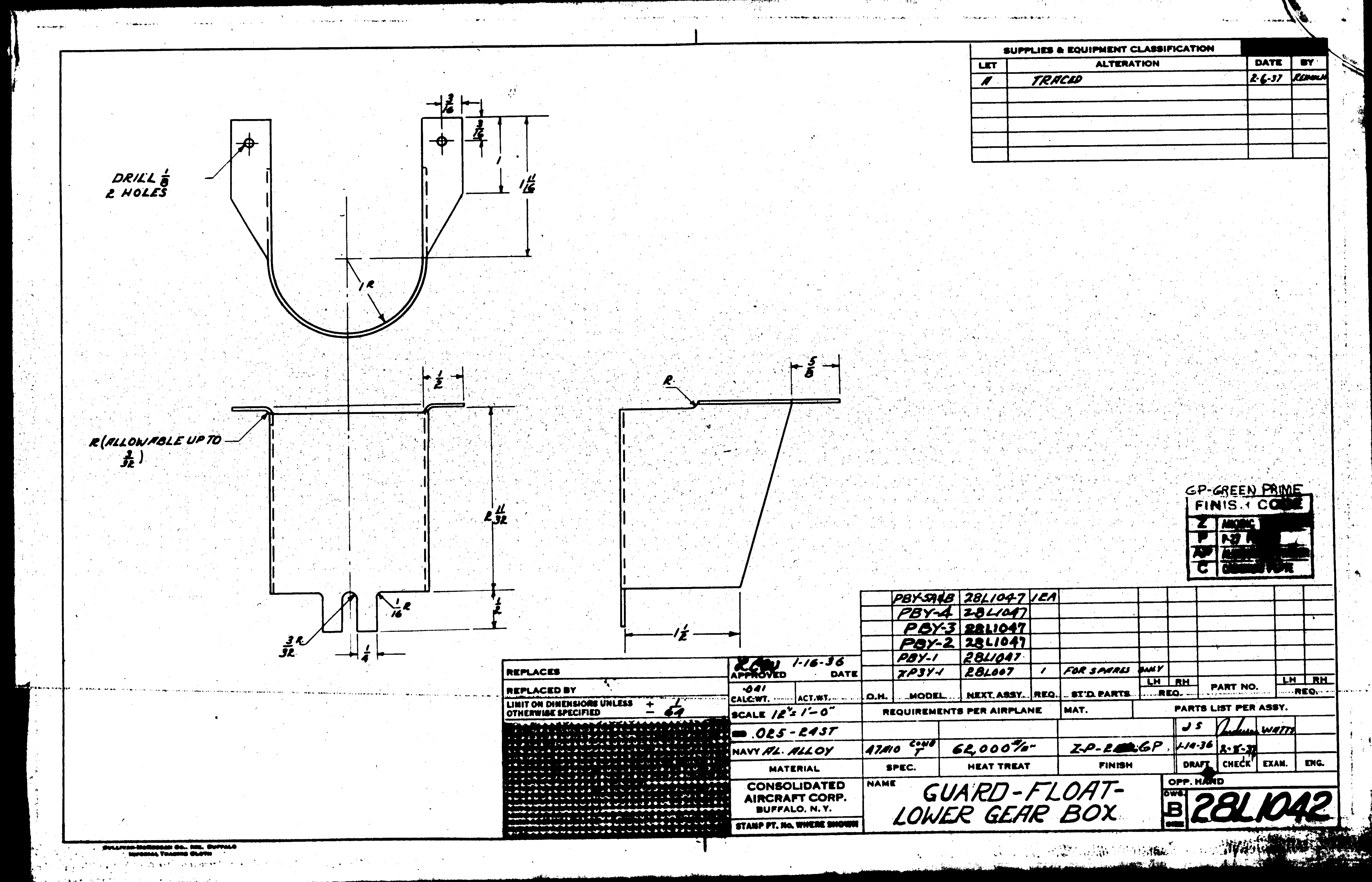
NAME SUPPORT - FLOAT - LOCK. & RECOIL MECH.

OPP. HAND
DWG. B-28L1029

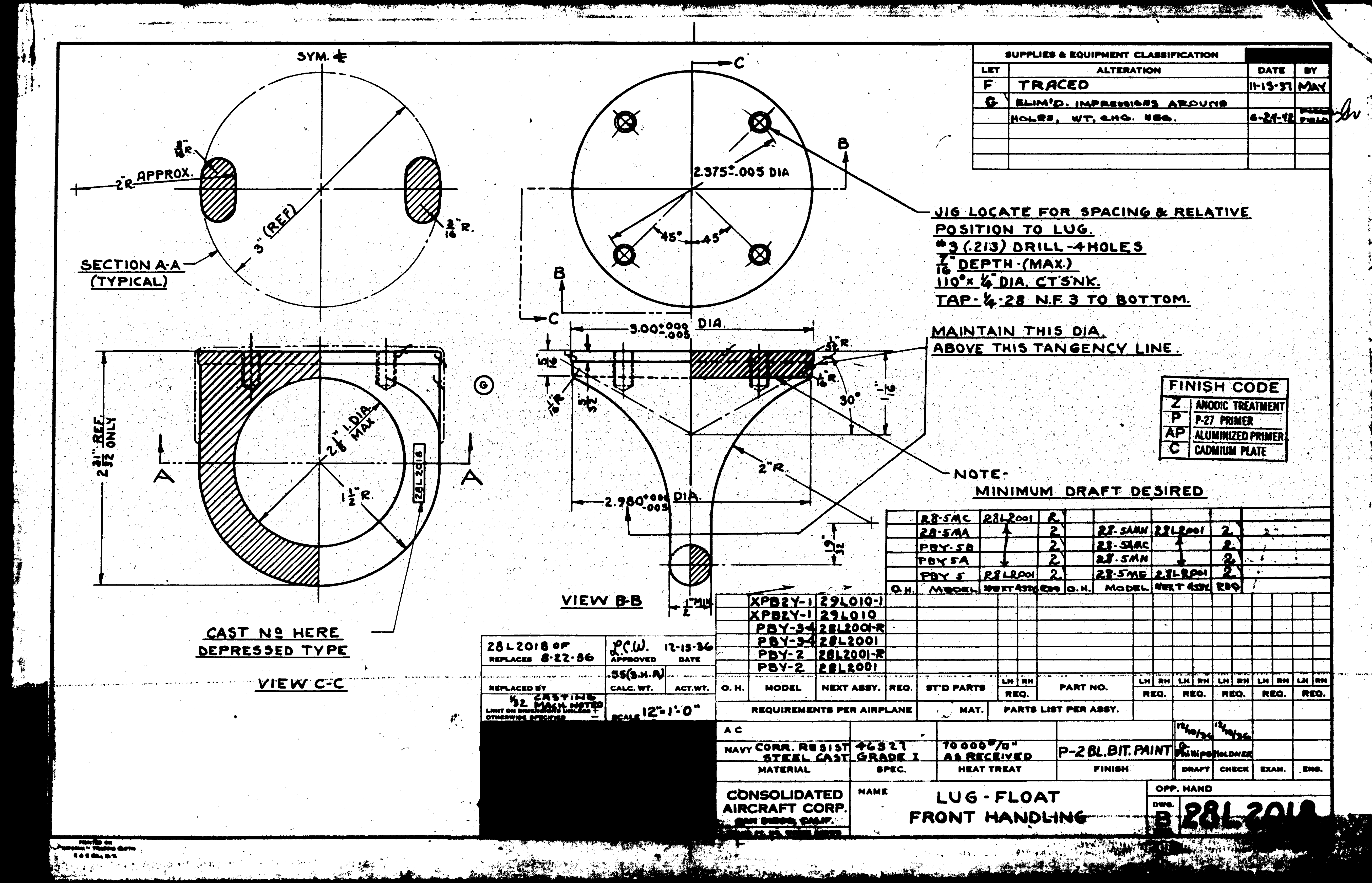
SULLIVAN-McKEEGAN CO., INC. BUFFALO
IMPERIAL TRACING CLOTH



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
D | TRACED UP TO DATE | 2-8-37
E | X4130 FORGED TO SPEC AN-QQ-S-684 WAS 4632? FORGED TO SPEC. 46329 NO WT. CHG. | 7/13/42
F | ADDED 1/64 R. WT. CHG. NEG. | 5-7-43
FORG. NOT AFF.
FORGING No.
11/32 REF.
3/16 R.
1/4 R.
1/4 R
15/16
1 1/8
DRILL (.2703)
TAP 5/16 -24 N.F. -3 THD.
P.D. - .2854 +.0024 -.0000
BREAK INSIDE EDGE.
F
7/32
3/32
3 3/8
2 1/2
3/32 R
3/32
3/8 R.
1/16 R.
27/32
3/16
5/16 DIA.
R 1/16 MAX.
1/4 R.
2 3/4
3 1/8
1/2
4 1/16
9/64
11/32
MIN.
4 5/16 FOR ROUGH FORGING
DRILL #10 (.193)
GREEN PRIME
CONT'D ON BOTTOM OF SHEET
PBY-4 | 28L1040
PBY-3 | 28L1040
PBY-2 | 28L1040
PBY-1 | 28L1040
XP3Y-1 | 28L1040
28-5MAC | 28L1040 | 2
28-5MN | 28L1040 | 2
28-5ME | 28L1040 | 2
28-5MC | 28L1040 | 2
PB2Y-3 | 29L5090 | 2
PB2Y-2 | 29L007 | 2
28-5AMN | 28L1040 | 2
PBY-5A | 28L1040 | 2
PBY-5B | 28L1040 | 2
PBY-5 | 28L1040 | 2
O.H. | MODEL | NEXT ASSY. | REQ.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64
APPROVED 1-9-36 DATE
.22 CALC. WT.
ACT. WT.
SCALE 12" = 1'-0"
AC
NAVY CHR. MOLY. STL. FORGING
MATERIAL
X4130 FORGED TO SPEC. AN-QQ-S-684
SPEC.
100,000 #/□"
HEAT TREAT
C.P. GD
FINISH
O.H. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
ST'D PARTS
MAT.
LH | RH
REQ.
PART NO.
PARTS LIST PER ASSY.
J S | MILLER
1-3-36 | 2-9-37
DRAFT | CHECK | EXAM. | ENG.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
LATCH - FLOAT LOCK MECH.
DWG. B 28L1034



SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
A
TRACED
2-6-37
DRILL 1/8
2 HOLES
3/16
1
1 11/16
1R
1/2
R
5/8
R(ALLOWABLE UP TO 3/32)
2 11/32
1/16 R
1/2
3/32 R
1/4
1 1/2
GP-GREEN PRIME
FINISH CODE
Z
P
AP
C
PBY-5A&B
28L1047
1EA
PBY-4
28L1047
PBY-3
28L1047
PBY-2
28L1047
PBY-1
28L1047
XP3Y-1
28L007
1
FOR SPARES ONLY
REPLACES
REPLACED BY
APPROVED
DATE
1-16-36
.041
CALC.WT.
ACT.WT.
O.H.
MODEL
NEXT ASSY.
REQ.
ST'D PARTS
LH
RH
REQ.
PART NO.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64
SCALE 12"=1'-0"
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
.025-24ST
NAVY AL. ALLOY
47A10 COND T
62,000#/□"
Z-P-2 GP
J S
WATTS
1-14-36
2-5-37
MATERIAL
SPEC.
HEAT TREAT
FINISH
DRAFT
CHECK
EXAM.
ENG.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
GUARD-FLOAT-LOWER GEAR BOX
DWG. B SIZE
28L1042


SYM. ℄
2"R. APPROX.
3/16"R.
3/16"R.
3" (REF)
SECTION A-A
(TYPICAL)
2.375±.005 DIA
45°
45°
B
B
C
C
JIG LOCATE FOR SPACING & RELATIVE
POSITION TO LUG.
#3 (.213) DRILL - 4 HOLES
7/16" DEPTH - (MAX.)
110° x 1/4" DIA. CT'SNK.
TAP - 1/4 - 28 N.F. 3 TO BOTTOM.
MAINTAIN THIS DIA.
ABOVE THIS TANGENCY LINE.
3.00 +.000 -.005 DIA.
30°
2"R.
2.980 +.000 -.005 DIA.
NOTE -
MINIMUM DRAFT DESIRED
1/2" MIN
VIEW B-B
2 21/32" REF. ONLY
2 1/8" I. DIA. MAX.
1 1/2"R.
28L2018
A
A
CAST NO HERE
DEPRESSED TYPE
VIEW C-C
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
F | TRACED | 11-15-37 | MAY
G | ELIM'D. IMPRESSIONS AROUND HOLES, WT. CHG. REQ. | 6-24-42
28-5MC 28L2001 2
28-5MA 2
PBY-5B 2
PBY 5A 2
PBY 5 28L2001 2
28-5AMN 28L2001 2
28-5AMC 2
28-5MN 2
28-5ME 28L2001 2
O.H. MODEL NEXT ASSY. REQ.
XPB2Y-1 29L010-1
XPB2Y-1 29L010
PBY-3-4 28L2001-R
PBY-3-4 28L2001
PBY-2 28L2001-R
PBY-2 28L2001
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
28L2018 OF
REPLACES 8-22-36
L.C.W. APPROVED
12-15-36 DATE
.55(S.H.A) CALC. WT. ACT. WT.
REPLACED BY
1/32 CASTING MACH NOTED
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
SCALE 12"=1'-0"
AC
NAVY CORR. RESIST STEEL CAST
46S27 GRADE I
70000#/□" AS RECEIVED
P-2 BL. BIT. PAINT
MATERIAL SPEC. HEAT TREAT FINISH DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
NAME
LUG - FLOAT
FRONT HANDLING
OPP. HAND
DWG. B 28L2018

28L2021

LET	ALTERATION	DATE	BY
D	TRACED NO.WT CHG	10-19-43	SIMS

℄ SYM

72°

— 1 3/16 DIA HOLE

— 15/16 DIA 5 HOLES

2 1/2 DIA

11/32

50°

CHAMFER 1/32 x 45°

ASSY DASH No	MODEL	NEXT ASSY.	REQ
	PBY-5-5A & -5B	28L2003	2EA
	PBY-5-5A & -5B	28L2006	2EA
	ALL 28-5'S	28L2003	2EA
	ALL 28-5'S	28L2006	2EA
	PBY-2-3 & -4	28L2003	2EA
	PBY-2-3 & -4	28L2006	2EA

REQUIREMENTS PER AIRPLANE

REPLACES 28L2021 OF 11-15-37 — CALC. WT. .045

REPLACED BY — ACT. WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/64 — SCALE: 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	LH / RH REQ. -0	LH / RH REQ. -2	LH / RH REQ. -3	LH / RH REQ. -4	LH / RH REQ. -5
■	.125 X 2 7/8 X 2 7/8	AL. ALLOY SHT	QQ-A-355-T					

PARTS LIST PER ASSY.

FINISH CODE	
Z	
P	

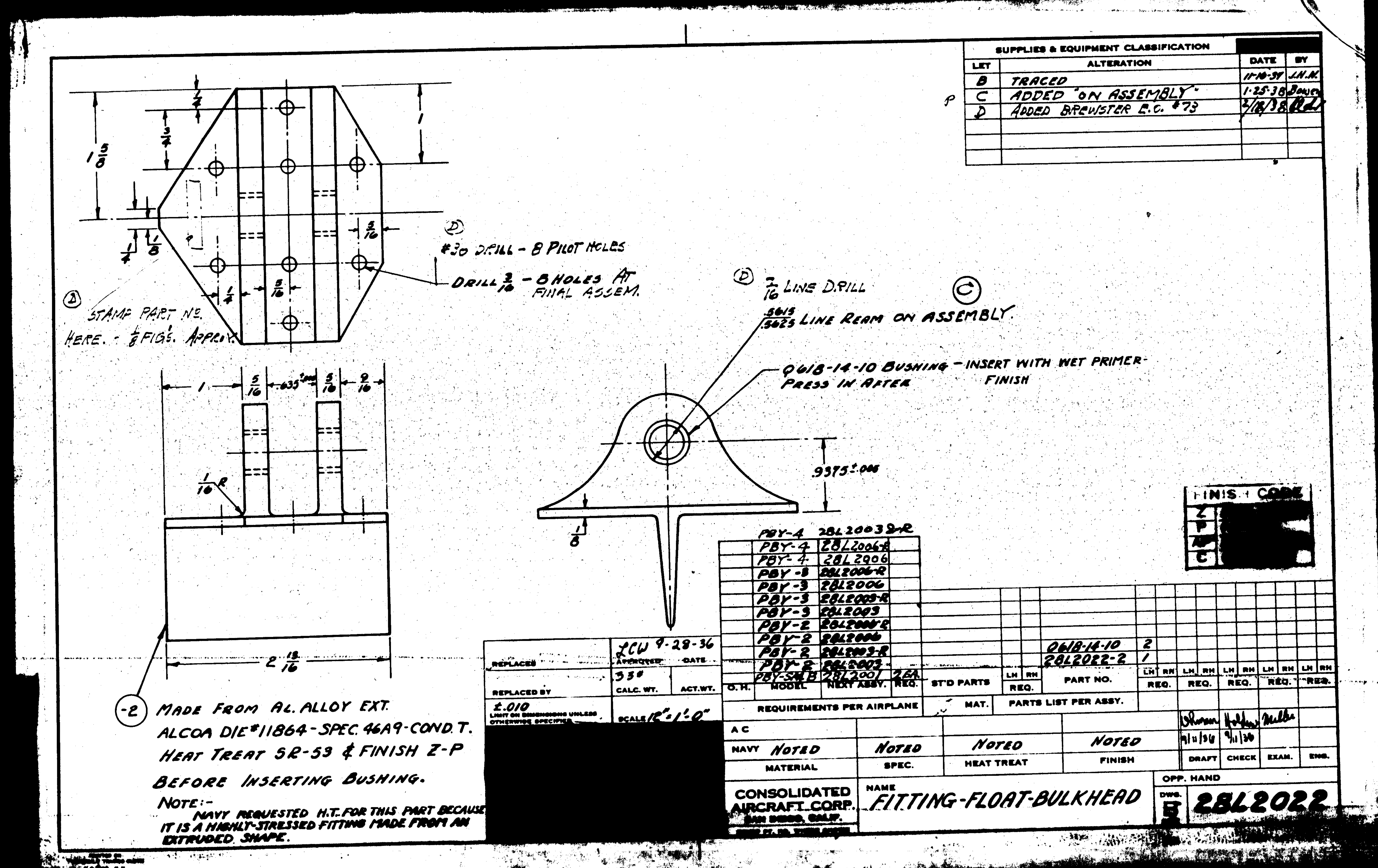
AC		SHONTS	WHITAKER	MILLER		LCW	
NAVY NONE	Z-P	8-31-36	11-15-37			11-15-37	
HEAT TREAT	FINISH	DRAFT	CHECK	EXAM.	MAT.	APPROV.	ENG.

NAME PLATE-FLOAT-RETR. STRUT TO FLOAT ATTACH. FITTING REINFORC.

OPP. HAND

DWG. SIZE B — 28L2021

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



SUPPLIES & EQUIPMENT CLASSIFICATION
[redacted]
LET
ALTERATION
DATE
BY
B TRACED 11-10-37 J.H.N.
C ADDED "ON ASSEMBLY" 1-25-38
D ADDED BREWSTER E.C. #73 2/18/38
#30 DRILL - 8 PILOT HOLES
DRILL 3/16 - 8 HOLES AT FINAL ASSEM.
STAMP PART NO. HERE. - 1/8 FIGS. APPROX.
7/16 LINE DRILL
.5615/.5625 LINE REAM ON ASSEMBLY.
Q618-14-10 BUSHING - INSERT WITH WET PRIMER - PRESS IN AFTER FINISH
.9375±.005
FINISH CODE
[redacted]
PBY-4 28L2003-R
PBY-4 28L2006-R
PBY-4 28L2006
PBY-3 28L2006-R
PBY-3 28L2006
PBY-3 28L2003-R
PBY-3 28L2003
PBY-2 28L2006-R
PBY-2 28L2006
PBY-2 28L2003-R
PBY-2 28L2003
PBY-SM B 28L2001 2EA.
O.H.
MODEL
NEXT ASSY.
REQ.
ST'D PARTS
LH
RH
REQ.
PART NO.
Q618-14-10 2
28L2022-2 1
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES
LCW 9-28-36
APPROVED
DATE
REPLACED BY
.33#
CALC. WT.
ACT. WT.
±.010
LIMIT ON DIMENSIONING UNLESS OTHERWISE SPECIFIED
SCALE 12" = 1'-0"
[redacted]
A C
NAVY NOTED NOTED NOTED NOTED
MATERIAL
SPEC.
HEAT TREAT
FINISH
9/11/36 9/11/36
DRAFT
CHECK
EXAM.
ENG.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
NAME
FITTING-FLOAT-BULKHEAD
DWG.
B
28L2022
-2 MADE FROM AL. ALLOY EXT.
ALCOA DIE #11864 - SPEC. 46A9 - COND. T.
HEAT TREAT SR-53 & FINISH Z-P
BEFORE INSERTING BUSHING.
NOTE:-
NAVY REQUESTED H.T. FOR THIS PART BECAUSE IT IS A HIGHLY-STRESSED FITTING MADE FROM AN EXTRUDED SHAPE.

SUPPLIES & EQUIPMENT CLASSIFICATION	[redacted]		
LET	ALTERATION	DATE	BY
A	TRACED	11-17-37	J.H.N.

FINISH CODE

Z	[redacted]
P	[redacted]
AP	[redacted]
C	[redacted]

O. H.	MODEL	NEXT ASSY.	REQ.
-R	PBY-5A&B	28L2003	
-L	PBY-5A&B	28L2003	
-R	PBY-5A&B	28L2006	
-L	PBY-5A&B	28L2006	
L	PBY-3&4	28L2006-R	
R	PBY-3&4	28L2006	
R	PBY-3&4	28L2003-R	
L	PBY-3&4	28L2003	
L	PBY-2	28L2006-R	
R	PBY-2	28L2006	
R	PBY-2	28L2003-R	
L	PBY-2	28L2003	

REQUIREMENTS PER AIRPLANE

ST'D PARTS	REQ. LH	REQ. RH	PART NO.	REQ. LH	REQ. RH	REQ. LH	REQ. RH	REQ. LH	REQ. RH	REQ. LH	REQ. RH	REQ. LH	REQ. RH
MAT.			PARTS LIST PER ASSY.										

REPLACES		LCW APPROVED	11-17-37 DATE
REPLACED BY		.24 SHA CALC. WT.	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64		SCALE 6" = 1'-0"	

[redacted]

MATERIAL	SPEC.	HEAT TREAT	FINISH	DRAFT	CHECK	EXAM.	ENG.
A C							
NAVY .020 AL ALLOY SHEET	47A10 COND. T	NONE	Z-P	Ar 9/12/36		Miller	

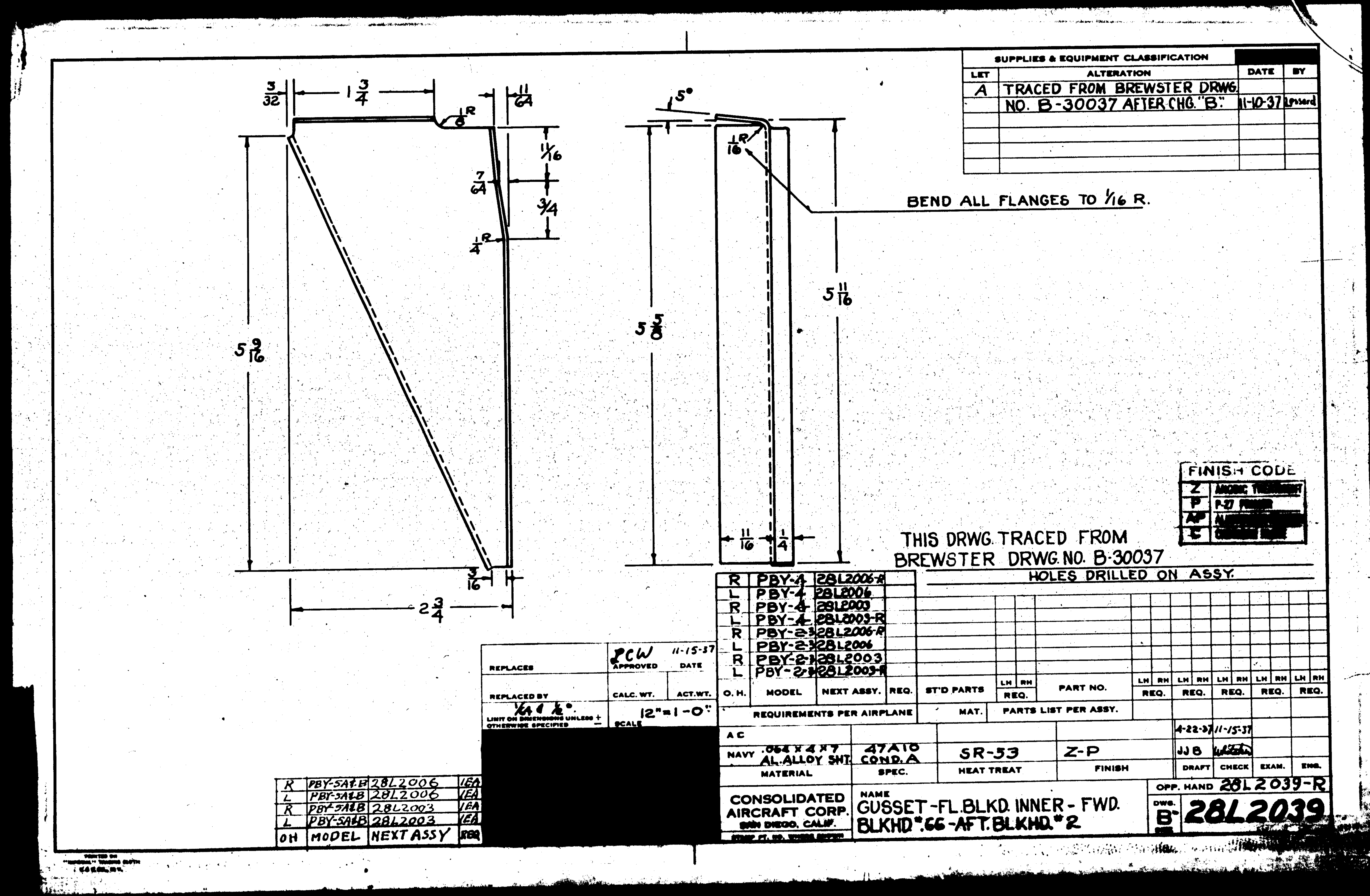
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN

NAME POCKET-FLOAT-RETRACTING STRUT TO FLOAT ATTACHMENT

OPP. HAND 28L2023-R

DWG. SIZE B 28L2023

PRINTED ON "IMPERIAL" TRACING CLOTH K & E CO. N.Y.


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED FROM BREWSTER DRWG. NO. B-30037 AFTER CHG. "B." | 11-10-37
3/32
1 3/4
1/8 R
11/64
1 1/16
7/64
3/4
1/4 R
5 9/16
3/16
2 3/4
5°
1/16 R
BEND ALL FLANGES TO 1/16 R.
5 5/8
5 11/16
11/16
1/4
FINISH CODE
Z
P
AP
C
P-27 PRIMER
THIS DRWG. TRACED FROM BREWSTER DRWG. NO. B-30037
HOLES DRILLED ON ASSY.
R | PBY-4 | 28L2006-R
L | PBY-4 | 28L2006
R | PBY-4 | 28L2003
L | PBY-4 | 28L2003-R
R | PBY-2-3 | 28L2006-R
L | PBY-2-3 | 28L2006
R | PBY-2-1 | 28L2003
L | PBY-2-1 | 28L2003-R
O. H. | MODEL | NEXT ASSY. | REQ. | STD PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES
PCW 11-15-37
APPROVED | DATE
REPLACED BY
CALC. WT. | ACT. WT.
1/64 & 1/2°
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
12" = 1-0"
SCALE
[redacted]
R | PBY-5A & B | 28L2006 | 1EA
L | PBY-5A & B | 28L2006 | 1EA
R | PBY-5A & B | 28L2003 | 1EA
L | PBY-5A & B | 28L2003 | 1EA
OH | MODEL | NEXT ASSY | REQ
AC
NAVY
.064 x 4 x 7 AL. ALLOY SHT.
MATERIAL
47A10 COND. A
SPEC.
SR-53
HEAT TREAT
Z-P
FINISH
4-22-37 | 11-15-37
JJB
DRAFT | CHECK | EXAM. | ENG.
OPP. HAND 28L2039-R
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
NAME
GUSSET-FL. BLKD. INNER - FWD. BLKHD. #6.6 - AFT. BLKHD. #2
DWG. B- 28L2039

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
A	TRACED FROM BREWSTER DRWG. B-30065	11-11-37	[illegible]
B	EDGE DISTANCE CHANGED FROM 1/4 TO 3/8	11-19-40	[illegible]
C	BENDING RAD. WAS 1/16	11-19-40	[illegible]

BREWSTER E.O. 145

BREWSTER E.O. 312

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

THIS DRWG. TRACED FROM BREWSTER DRWG. NO. B-30065

NOTE (C) CHANGE MATERIAL FROM S.O. TO S.T.

HOLES DRILLED ON ASSEMBLY

O. H.	MODEL	NEXT ASSY.	REQ.
	PBY-5B	28L2002	2
	PBY-5&5A	28L2002	2 EA
	PBY-3-4	28L2002-R	1
	PBY-3-4	28L2002	1
	PBY-2	28L2002-R	1
	PBY-2	28L2002	1

REQUIREMENTS PER AIRPLANE

ST'D PARTS — LH / RH REQ. — PART NO. — LH / RH REQ. — MAT. — PARTS LIST PER ASSY.

REPLACES — APPROVED: LW — DATE: 11-15-37

REPLACED BY — CALC. WT. — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64 — SCALE 12" = 1'-0"

[redacted]

A C			
NAVY .040 x 2 3/4 x 11 1/2 AL ALLOY SHT.	47A10 COND T	NONE	Z-P
MATERIAL	SPEC.	HEAT TREAT	FINISH

DRAFT	CHECK	EXAM.	ENG.
5-17-37 JB	11-15-37 [illegible]		

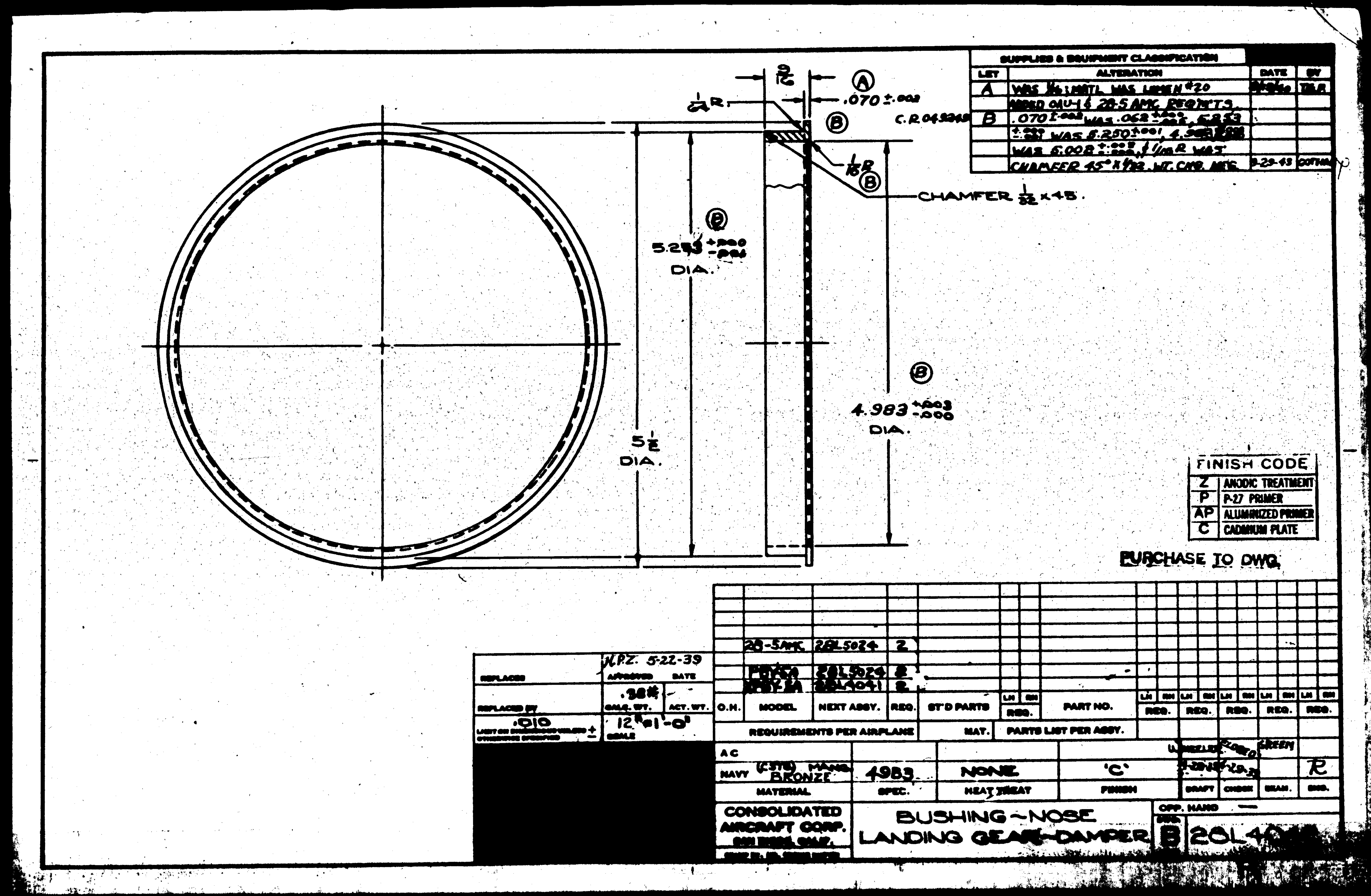
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

STAMP PT. NO. WHERE SHOWN

NAME GUSSET-FLOAT-FWD. HANDLING EYE HOUSING

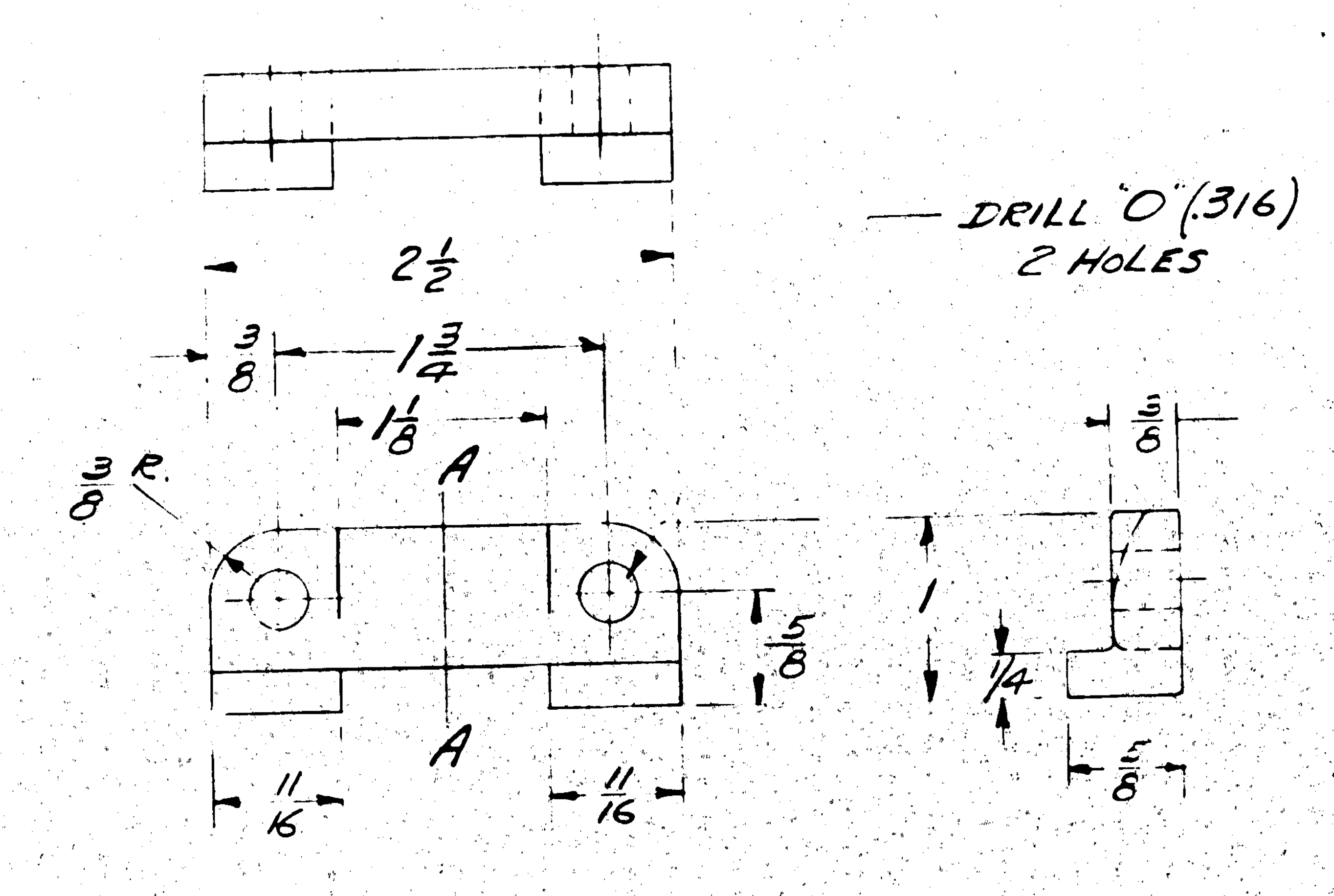
OPP. HAND

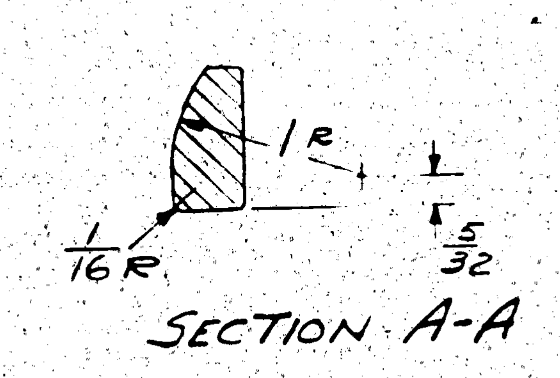
DWG. B SIZE 28L2041



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | WAS 1/16; MAT'L WAS LUMEN #20
ADDED OAU-1 & 28-5 AMC REQ'M'TS.
B | .070 WAS .062, 5.253 WAS 5.250, 4.983 WAS 5.008, 1/16 R WAS CHAMFER 45° X 1/32, WT. CHG. MFG. | 3-29-43
9/16
.070 ±.002
1/32 R.
C.R. 045248
1/16 R
CHAMFER 1/32 X 45.
5.253 +.000 -.002 DIA.
5 1/2 DIA.
4.983 +.003 -.000 DIA.
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
PURCHASE TO DWG.
28-5AMC 28L5024 2
28L5024 2
28L4041 2
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS REQ. PART NO. REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
REPLACES
REPLACED BY
H.P.Z. 5-22-39 APPROVED DATE
.38# CALC. WT. ACT. WT.
.010
12" = 1'-0" SCALE
AC
NAVY (C-378) MANG. BRONZE MATERIAL
4983 SPEC.
NONE HEAT TREAT
'C' FINISH
DRAFT CHECK EXAM. ENG.
OPP. HAND —
CONSOLIDATED AIRCRAFT CORP.
BUSHING ~ NOSE LANDING GEAR ~ DAMPER
B 28L40

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY





BREAK ALL SHARP CORNERS 1/32 R

REPLACES	APPROVED	DATE
	XBJ.	6-1-39
REPLACED BY	CALC. WT.	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010	SCALE 12" = 1'0"	

O.H.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS	REQ. LH	REQ. RH	PART NO.	REQ.	REQ.	REQ.	REQ.	REQ.
	XPBY-5A	28L4021-R	1									
	XPBY-5A	28L4021	1									
REQUIREMENTS PER AIRPLANE				MAT.	PARTS LIST PER ASSY.							

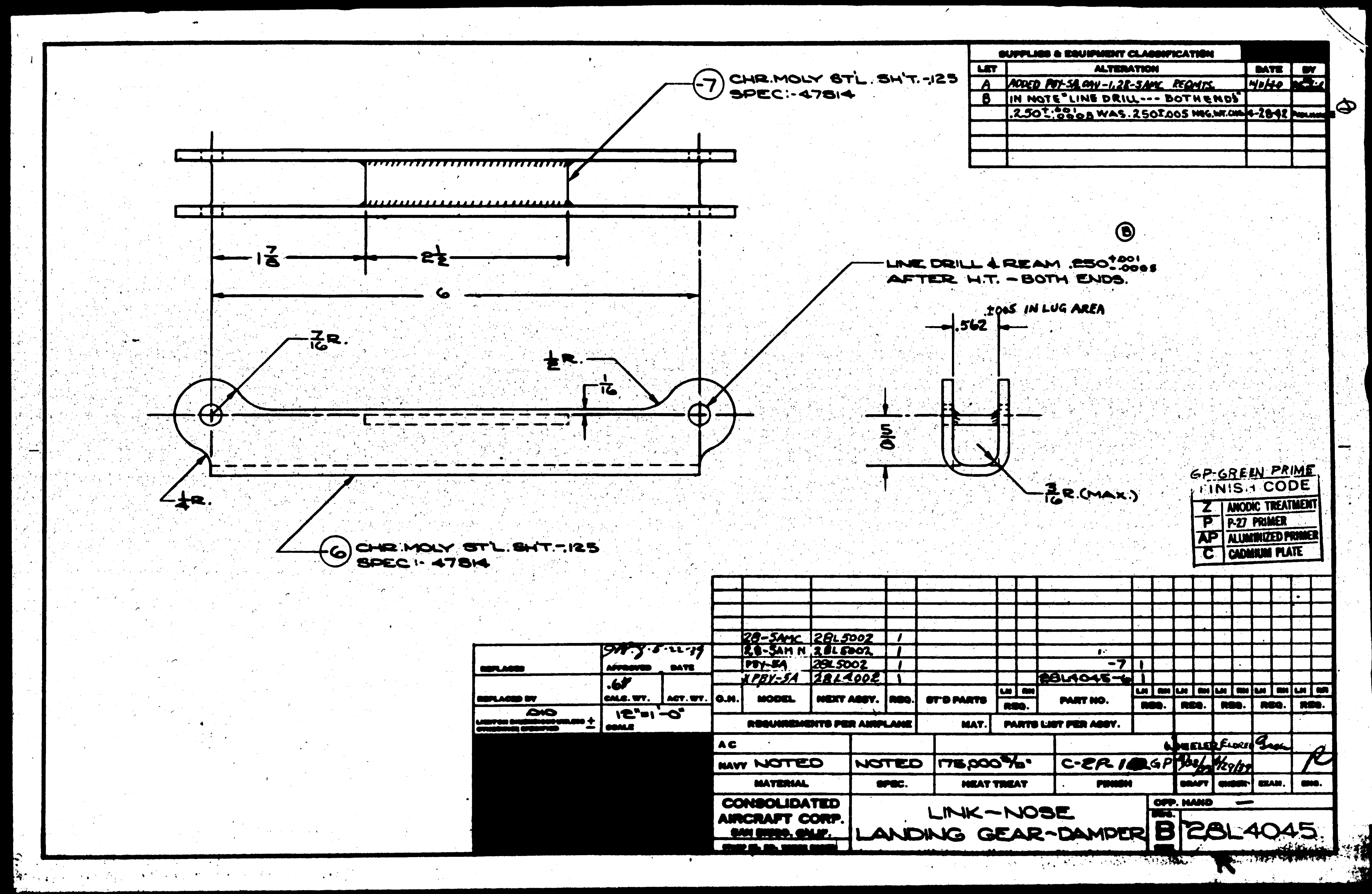
MATERIAL	SPEC.	HEAT TREAT	FINISH	DRAFT	CHECK	EXAM.	ENG.
A C				BOWEN	ELDRED		
NAVY STAINLESS STEEL	M-286	175,000 #/□"	P - BL	5-11-39	5-31-39		

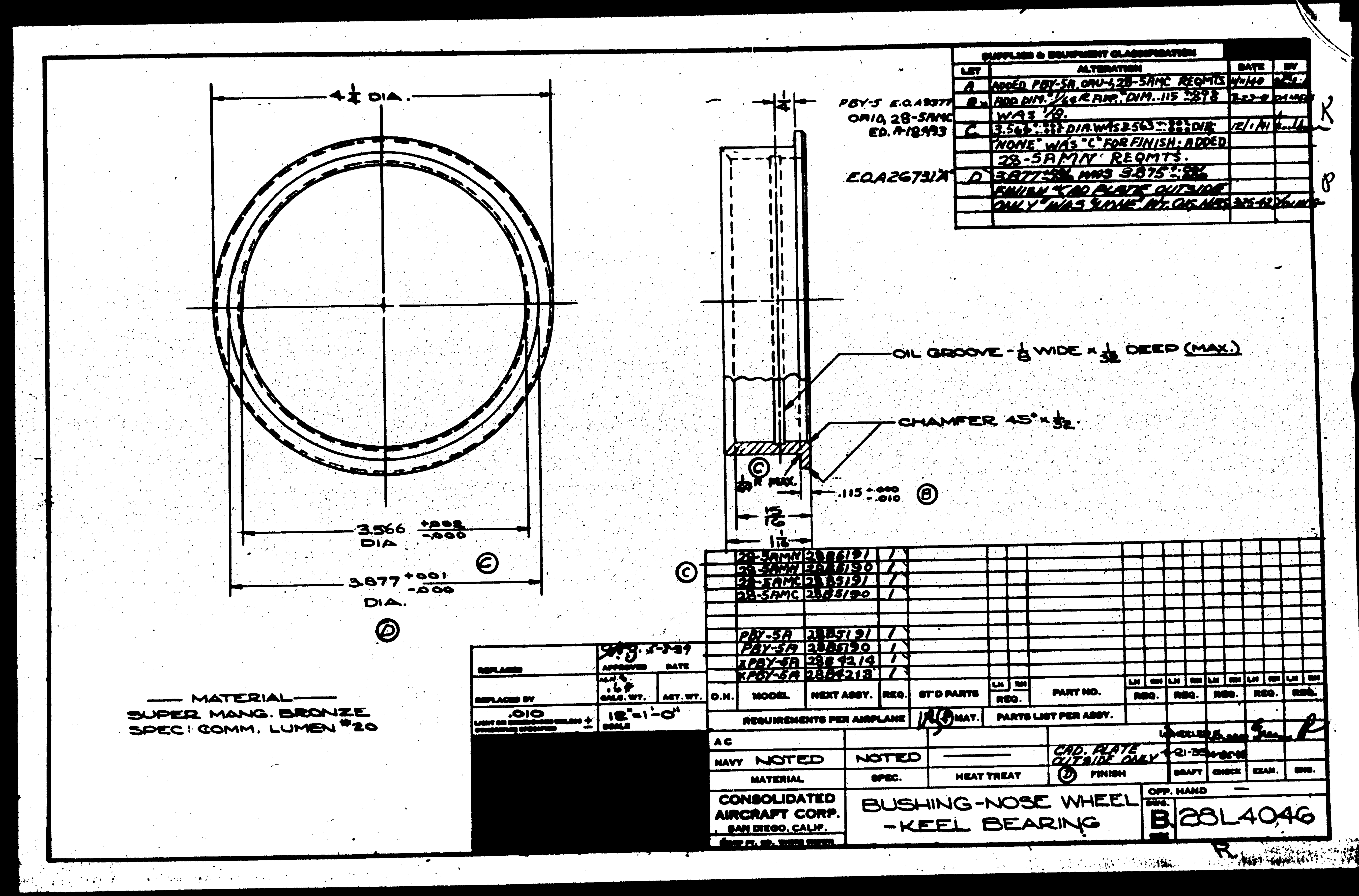
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN

LATCH PLATE - MAIN LAND. GEAR - MAIN STRUT LOCKING

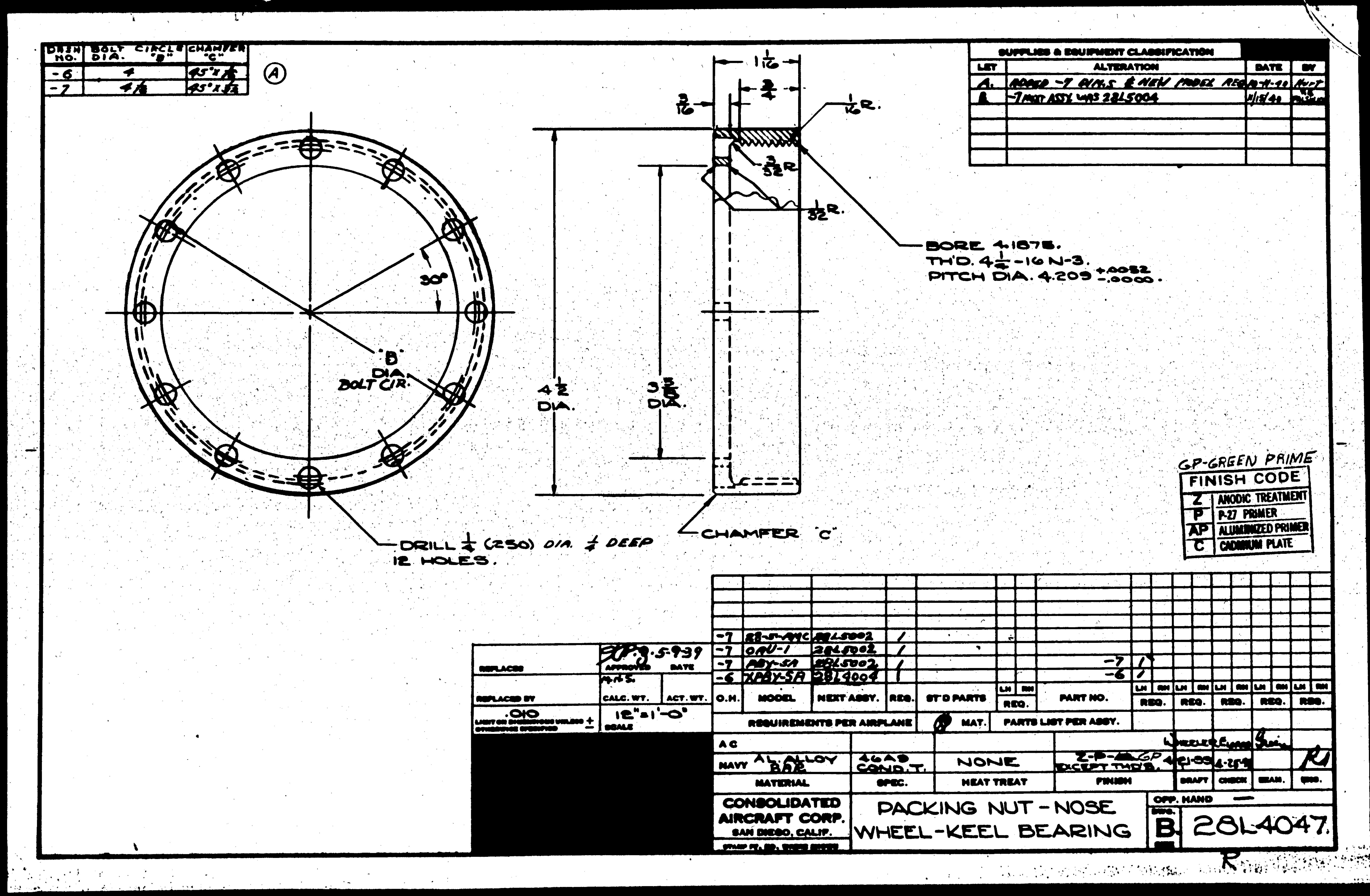
OPP. HAND —

DWG. SIZE B 28L4043

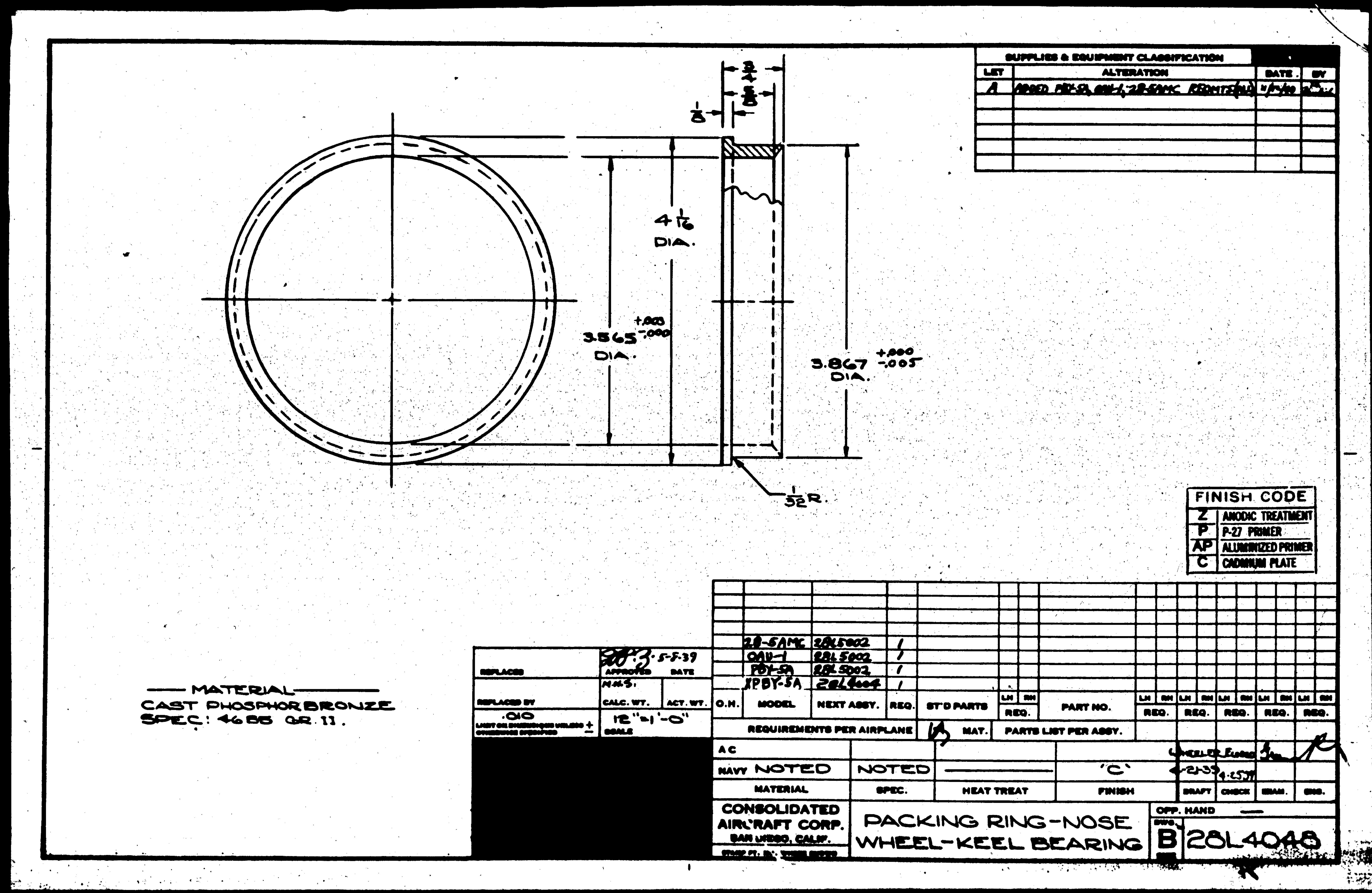

SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
A ADDED PBY-5A QTY-1, 28-5AMC REQMTS.
B IN NOTE "LINE DRILL --- BOTH ENDS" .250 +.001 -.0005 WAS .250 ±.005
-7 CHR. MOLY STL. SH'T. -.125 SPEC:-47S14
LINE DRILL & REAM .250 +.001 -.0005 AFTER H.T. - BOTH ENDS.
1 7/8
2 1/2
6
7/16 R.
1/2 R.
1/16
1/4 R.
.005 IN LUG AREA
.562
5/8
3/16 R. (MAX.)
-6 CHR. MOLY STL. SH'T. -.125 SPEC:- 47S14
GP-GREEN PRIME
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
28-5AMC 28L5002 1
28-5AMN 28L5002 1
PBY-5A 28L5002 1
XPBY-5A 28L4002 1
-7 1
28L4045-6 1
REPLACES
APPROVED
DATE
.6#
CALC. WT.
ACT. WT.
REPLACED BY
D.O.
12"=1'-0"
SCALE
O.H.
MODEL
NEXT ASSY.
REQ.
STD PARTS
PART NO.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
AC
NAVY NOTED
NOTED
175,000 #/□"
C-2R-1 GP
MATERIAL
SPEC.
HEAT TREAT
FINISH
DRAFT
CHECK
EXAM.
ENG.
OPP. HAND —
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
LINK - NOSE LANDING GEAR - DAMPER
B 28L4045

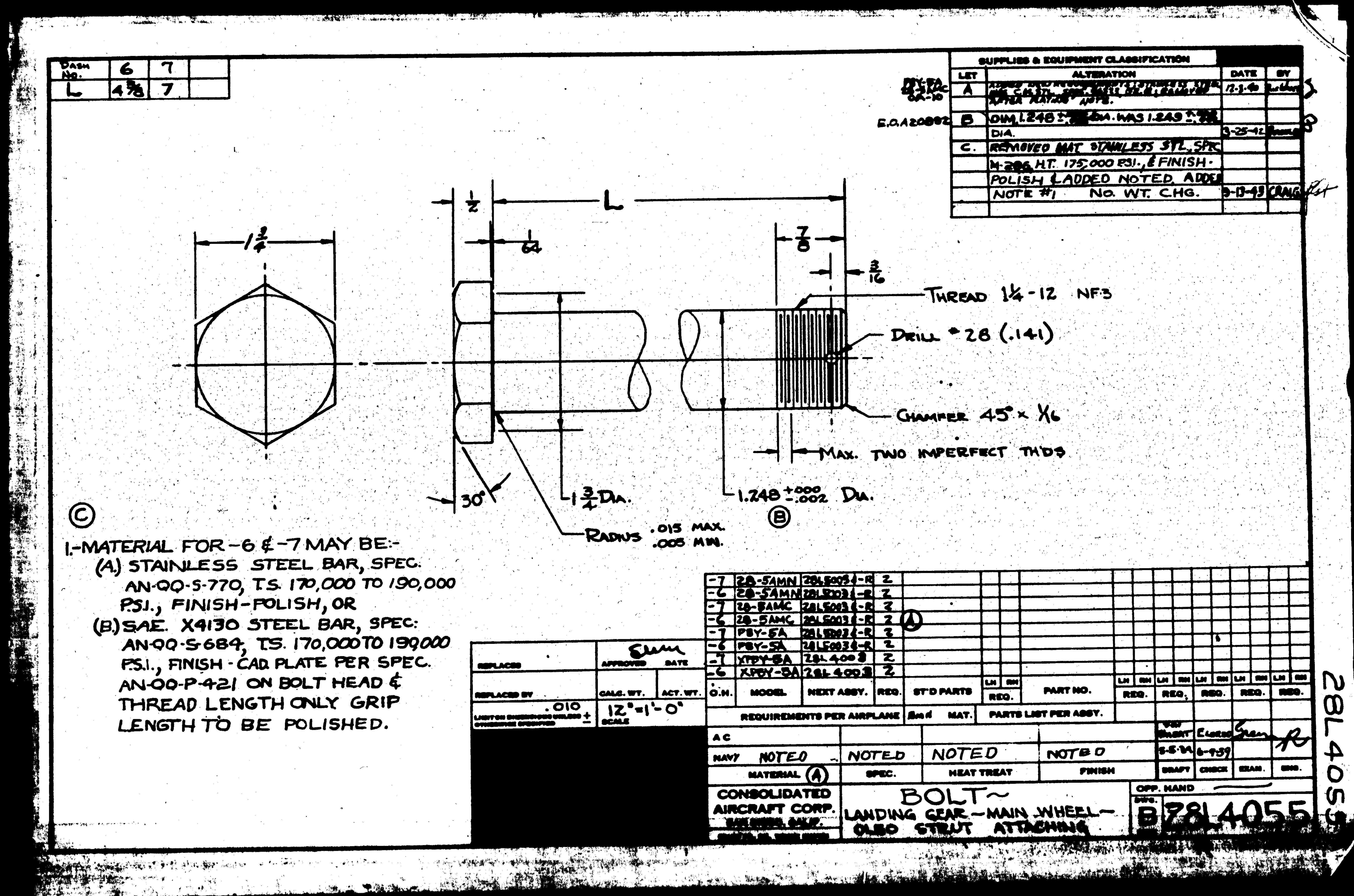


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A ADDED PBY-5A, OAV-4, 28-5AMC REQMTS
B ADD DIM. 1/64 R APP. DIM. .115 WAS 1/8.
C 3.566 DIA. WAS 3.563 DIA. "NONE" WAS "C" FOR FINISH; ADDED 28-5AMN REQMTS.
D 3.877 WAS 3.875 FINISH "CAD PLATE OUTSIDE ONLY" WAS "NONE" WT. CHG. NEG.
PBY-5 E.O.A.
ORIG. 28-5AMC E.O. A-18993
E.O.A.26731A
4 1/8 DIA.
OIL GROOVE - 1/8 WIDE x 1/32 DEEP (MAX.)
CHAMFER 45° x 1/32
1/64 R MAX.
.115 +.000 -.010
15/16
1 1/8
3.566 +.002 -.000 DIA
3.877 +.001 -.000 DIA.
28-5AMN 28B6191 1
28-5AMN 28B6190 1
28-5AMC 28B5191 1
28-5AMC 28B5190 1
PBY-5A 28B5191 1
PBY-5A 28B5190 1
XPBY-5A 28B4214 1
XPBY-5A 28B4213 1
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS REQ. PART NO.
REQUIREMENTS PER AIRPLANE
MAT. PARTS LIST PER ASSY.
REPLACES
APPROVED DATE
REPLACED BY
CALC. WT. ACT. WT.
.6#
.010
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
12"=1'-0"
SCALE
— MATERIAL —
SUPER MANG. BRONZE
SPEC: COMM. LUMEN #20
AC
NAVY NOTED NOTED
MATERIAL SPEC. HEAT TREAT
CAD. PLATE OUTSIDE ONLY
FINISH
DRAFT CHECK EXAM. ENG.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
BUSHING-NOSE WHEEL -KEEL BEARING
B 28L4046

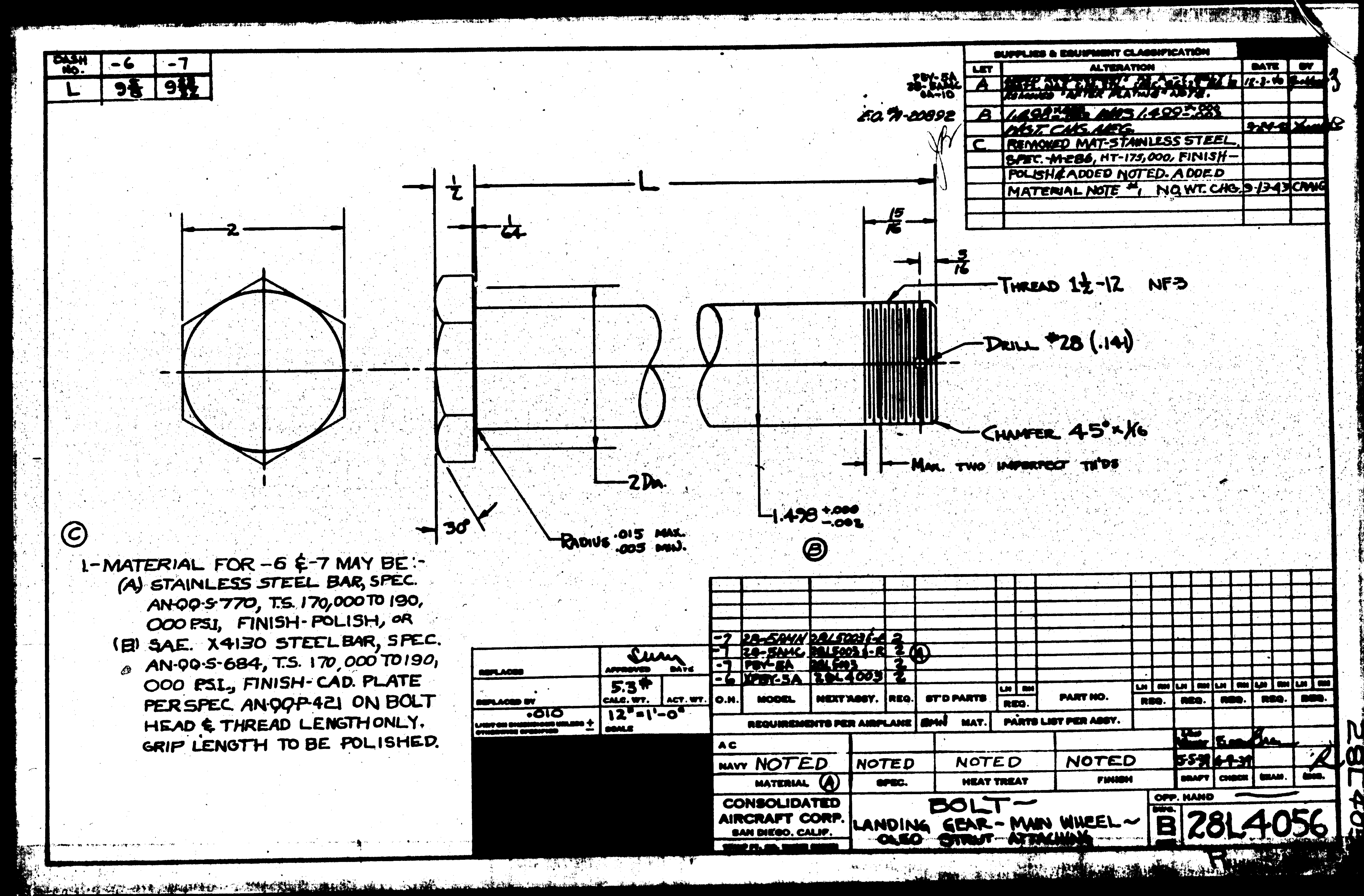


DASH NO. | BOLT CIRCLE DIA. "B" | CHAMFER "C"
-6 | 4 | 45° x 1/16
-7 | 4 1/8 | 45° x 3/32
A
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A. | ADDED -7 DIMS & NEW MODEL REQ
B | -7 NEXT ASSY. WAS 28L5004
1 1/16
3/4
3/16
1/16 R.
3/32 R
1/32 R.
BORE 4.1875.
TH'D. 4 1/4 -16 N-3.
PITCH DIA. 4.209 +.0052 -.0000.
30°
"B" DIA. BOLT CIR.
4 1/2 DIA.
3 3/8 DIA.
CHAMFER "C"
DRILL 1/4 (.250) DIA. 1/4 DEEP
12 HOLES.
GP-GREEN PRIME
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
-7 | 28-5-AHC | 28L5002 | 1
-7 | OAV-1 | 28L5002 | 1
-7 | ABY-5A | 28L5002 | 1
-6 | XPBY-5A | 28L4004 | 1
-7 1
-6 1
REPLACES
APPROVED 9-5-39 DATE
REPLACED BY
CALC. WT. ACT. WT.
.010 LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
12" = 1'-0" SCALE
O.H. | MODEL | NEXT ASSY. | REQ. | STD PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
AC
NAVY
AL. ALLOY BAR | 46A9 COND. T. | NONE | Z-P-GP EXCEPT THD'S.
MATERIAL | SPEC. | HEAT TREAT | FINISH | DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
PACKING NUT - NOSE WHEEL-KEEL BEARING
OPP. HAND —
DWG. B 28L4047.

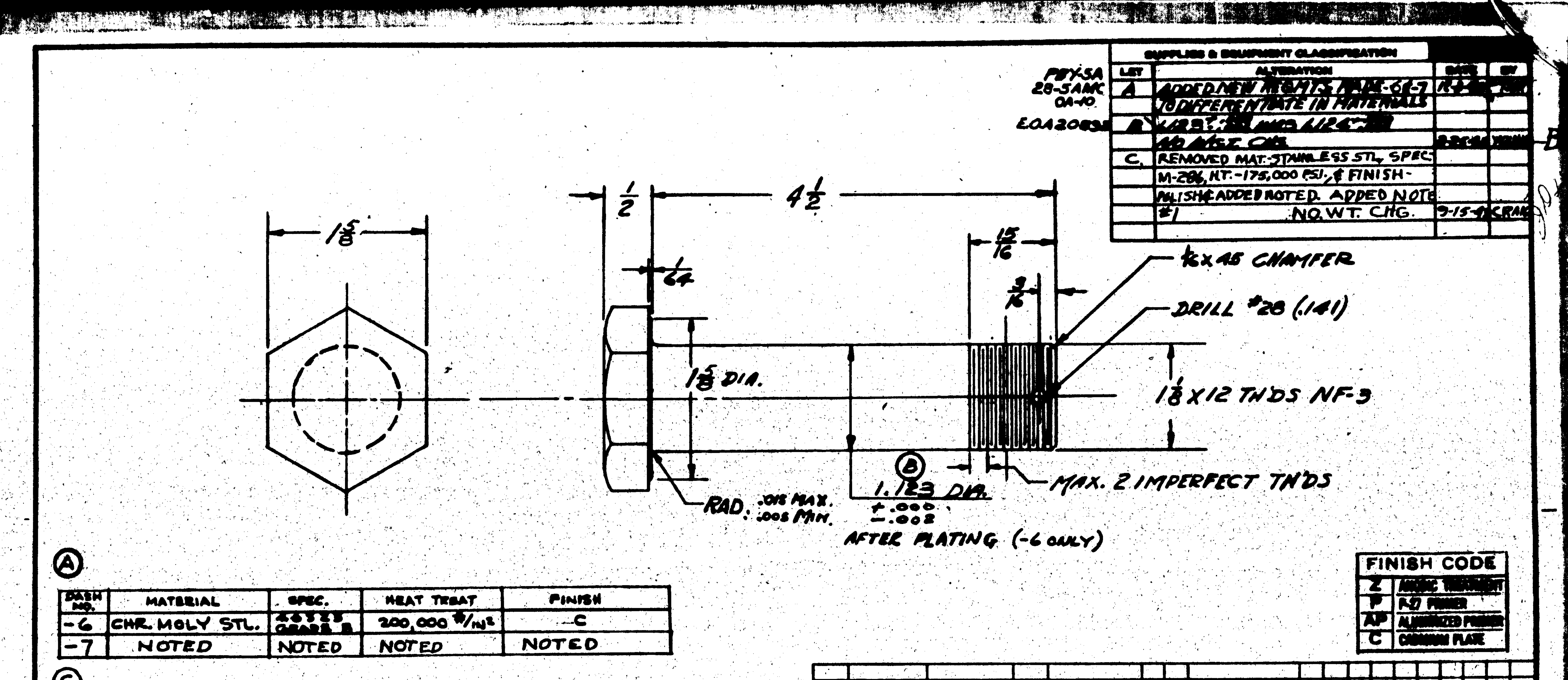

SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
A
3/4
5/8
1/8
4 1/16 DIA.
3.565 +.003 -.000 DIA.
3.867 +.000 -.005 DIA.
1/32 R.
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
MATERIAL
CAST PHOSPHOR BRONZE
SPEC: 46B5 GR. 11.
REPLACED
APPROVED
DATE
5-5-39
REPLACED BY
CALC. WT.
ACT. WT.
.010
SCALE
12"=1'-0"
28-5AMC 28L5002 1
OAU-1 28L5002 1
PBY-5A 28L5002 1
XPBY-5A 28L4004 1
O.H.
MODEL
NEXT ASSY.
REQ.
ST'D PARTS
LH RH REQ.
PART NO.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
AC
NAVY NOTED
NOTED
'C'
MATERIAL
SPEC.
HEAT TREAT
FINISH
DRAFT
CHECK
EXAM.
ENG.
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
PACKING RING-NOSE WHEEL-KEEL BEARING
OPP. HAND
DWG.
B 28L4048



DASH No. | 6 | 7
L | 4 5/8 | 7
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
E.O.A20882
B | DIM 1.248 DIA. WAS 1.249 DIA. | 3-25-42
C. | REMOVED MAT. STAINLESS STL. SPEC M-286 H.T. 175,000 P.S.I., & FINISH - POLISH & ADDED NOTED ADDED NOTE #1 No. WT. CHG. | 9-13-43 | CRAIG
1/2
L
1 3/4
1/64
7/8
3/16
THREAD 1 1/4 - 12 NF3
DRILL #28 (.141)
CHAMFER 45° x 1/16
MAX. TWO IMPERFECT TH'DS
30°
1 3/4 DIA.
1.248 +.000 -.002 DIA.
RADIUS .015 MAX. .005 MIN.
Ⓒ
Ⓑ
1.-MATERIAL FOR -6 & -7 MAY BE:-
(A.) STAINLESS STEEL BAR, SPEC. AN-QQ-S-770, T.S. 170,000 TO 190,000 P.S.I., FINISH-POLISH, OR
(B.) S.A.E. X4130 STEEL BAR, SPEC: AN-QQ-S-684, T.S. 170,000 TO 190,000 P.S.I., FINISH - CAD. PLATE PER SPEC. AN-QQ-P-421 ON BOLT HEAD & THREAD LENGTH ONLY GRIP LENGTH TO BE POLISHED.
-7 | 28-5AMN | 28L5003 | 2
-6 | 28-5AMN | 28L5003 | 2
-7 | 28-5AMC | 28L5003 | 2
-6 | 28-5AMC | 28L5003 | 2 Ⓐ
-7 | PBY-5A | 28L5003 | 2
-6 | PBY-5A | 28L5003 | 2
-7 | XPBY-5A | 28L4003 | 2
-6 | XPBY-5A | 28L4003 | 2
D.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH | RH | REQ. | PART NO. | REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES | APPROVED | DATE
REPLACED BY | CALC. WT. | ACT. WT.
.010 ±
12" = 1'-0"
SCALE
AC
NAVY | NOTED | NOTED | NOTED | NOTED
MATERIAL Ⓐ | SPEC. | HEAT TREAT | FINISH
DRAFT | CHECK | EXAM. | ENG.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP.
BOLT ~ LANDING GEAR ~ MAIN WHEEL ~ OLEO STRUT ATTACHING
DWG. B 28L4055
28L4055



DASH NO. | -6 | -7
L | 9 5/8 | 9 23/32
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
E.O. 71-20892
REMOVED MAT-STAINLESS STEEL, SPEC. M-286, HT-175,000, FINISH-POLISH & ADDED NOTED. ADDED MATERIAL NOTE #1 NO WT. CHG.
L
1/2
1/64
2
15/16
3/16
THREAD 1 1/2-12 NF-3
DRILL #28 (.141)
CHAMFER 45° x 1/16
MAX. TWO IMPERFECT TH'DS
2 DIA.
30°
RADIUS .015 MAX. .005 MIN.
1.498 +.000 -.002
(B)
(C)
1- MATERIAL FOR -6 & -7 MAY BE:-
(A) STAINLESS STEEL BAR, SPEC. AN-QQ-S-770, T.S. 170,000 TO 190,000 P.S.I., FINISH-POLISH, OR
(B) SAE. X4130 STEEL BAR, SPEC. AN-QQ-S-684, T.S. 170,000 TO 190,000 P.S.I., FINISH-CAD. PLATE PER SPEC. AN-QQ-P-421 ON BOLT HEAD & THREAD LENGTH ONLY. GRIP LENGTH TO BE POLISHED.
REPLACES
APPROVED
DATE
5.3#
CALC. WT.
ACT. WT.
REPLACED BY
.010
12" = 1'-0"
SCALE
-7 | 28-5AMN
-7 | 28-5AMC
-7 | PBY-5A | 28L5003 | 2
-6 | XPBY-5A | 28L4003 | 2
O.H. | MODEL | NEXT ASS'Y. | REQ. | STD PARTS | REQ. | PART NO.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
AC
NAVY NOTED | NOTED | NOTED | NOTED
MATERIAL (A) | SPEC. | HEAT TREAT | FINISH
DRAFT | CHECK
5-5-39 | 6-9-39
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
BOLT ~ LANDING GEAR - MAIN WHEEL ~ OLEO STRUT ATTACHING
OPP. HAND
DWG. B 28L4056



A

DASH NO.	MATERIAL	SPEC.	HEAT TREAT	FINISH
-6	CHR. MOLY STL.	46323 GRADE B	200,000 #/IN²	C
-7	NOTED	NOTED	NOTED	NOTED

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

C

1-MATERIAL FOR -7 MAY BE:-
(A) STAINLESS STEEL BAR, SPEC. AN-QQ-S-770, T.S. 170,000 TO 190,000 PSI., FINISH-POLISH, OR
(B.) SAE. X4130 STEEL BAR, SPEC. AN-QQ-S-684, T.S. 170,000 TO 190,000 PSI., FINISH-CAD PLATE PER SPEC. AN-QQ-P-421 ON BOLT HEAD & THREAD LENGTH ONLY. GRIP LENGTH TO BE POLISHED.

REPLACES	L.U.M. APPROVED	DATE
REPLACED BY	1.6# CALC. WT.	ACT. WT.
.010 LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±	SCALE 12"=1'0"	

O.H.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS	LH REQ.	RH REQ.	PART NO.
-7	28CAMH	28L4003 [illegible]	6	A			
-7	28-5AMC	28L4003 [illegible]	6				
-7	PBY-5A	28L4003	6				
-6	XPBY-5A	28L4003	2				

REQUIREMENTS PER AIRPLANE | [illegible] MAT. | PARTS LIST PER ASSY.

	MATERIAL	SPEC.	HEAT TREAT	FINISH
AC				
NAVY	NOTED	NOTED	NOTED	NOTED

DRAFT	CHECK	STRESS	ENG.
[illegible]	[illegible]	Green	
5-19-39	6-9-39		R.

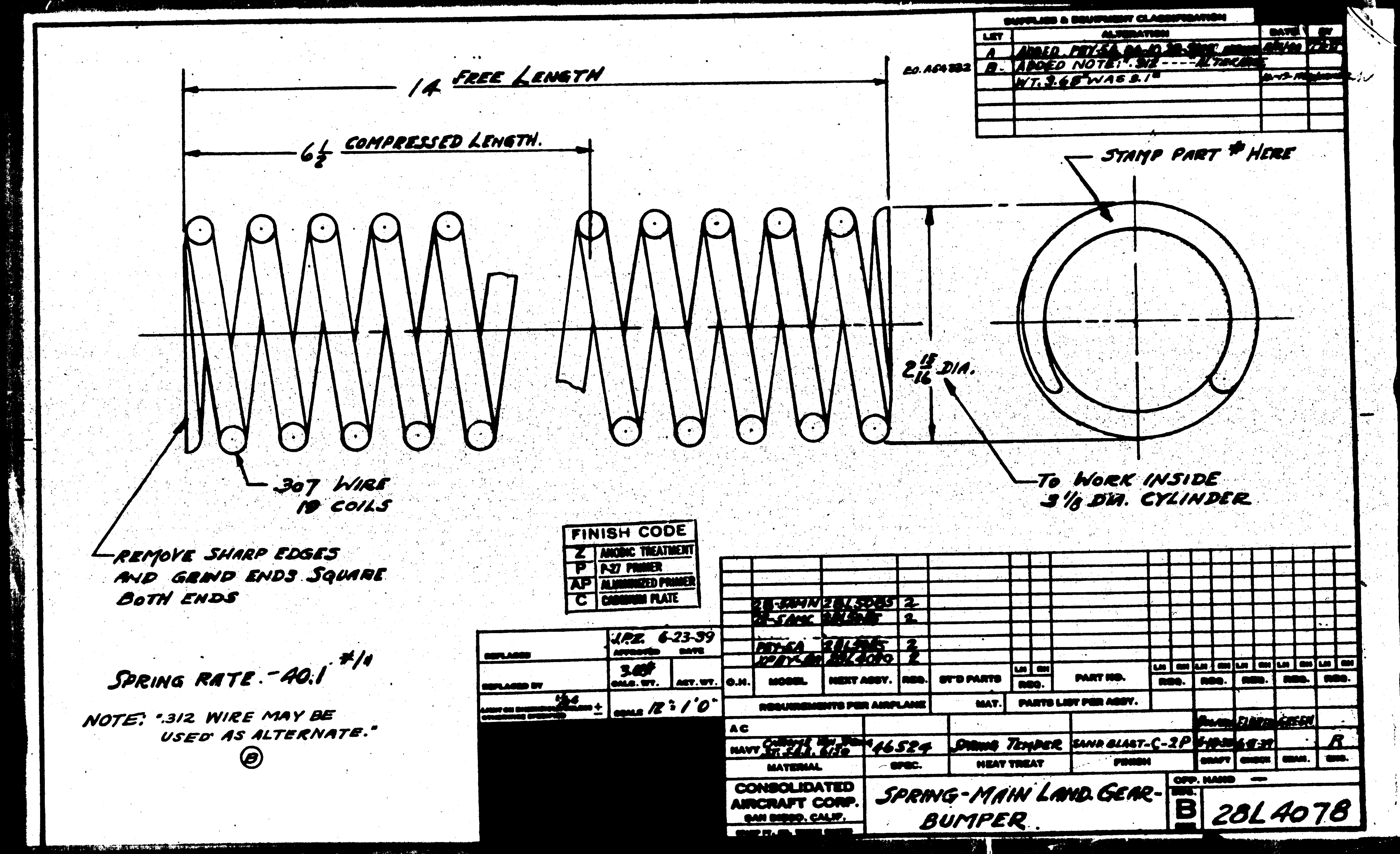
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.

BOLT - MAIN LAND. GEAR - LOWER VEE STRUT FRONT

OPP. HAND —

B 28L4067

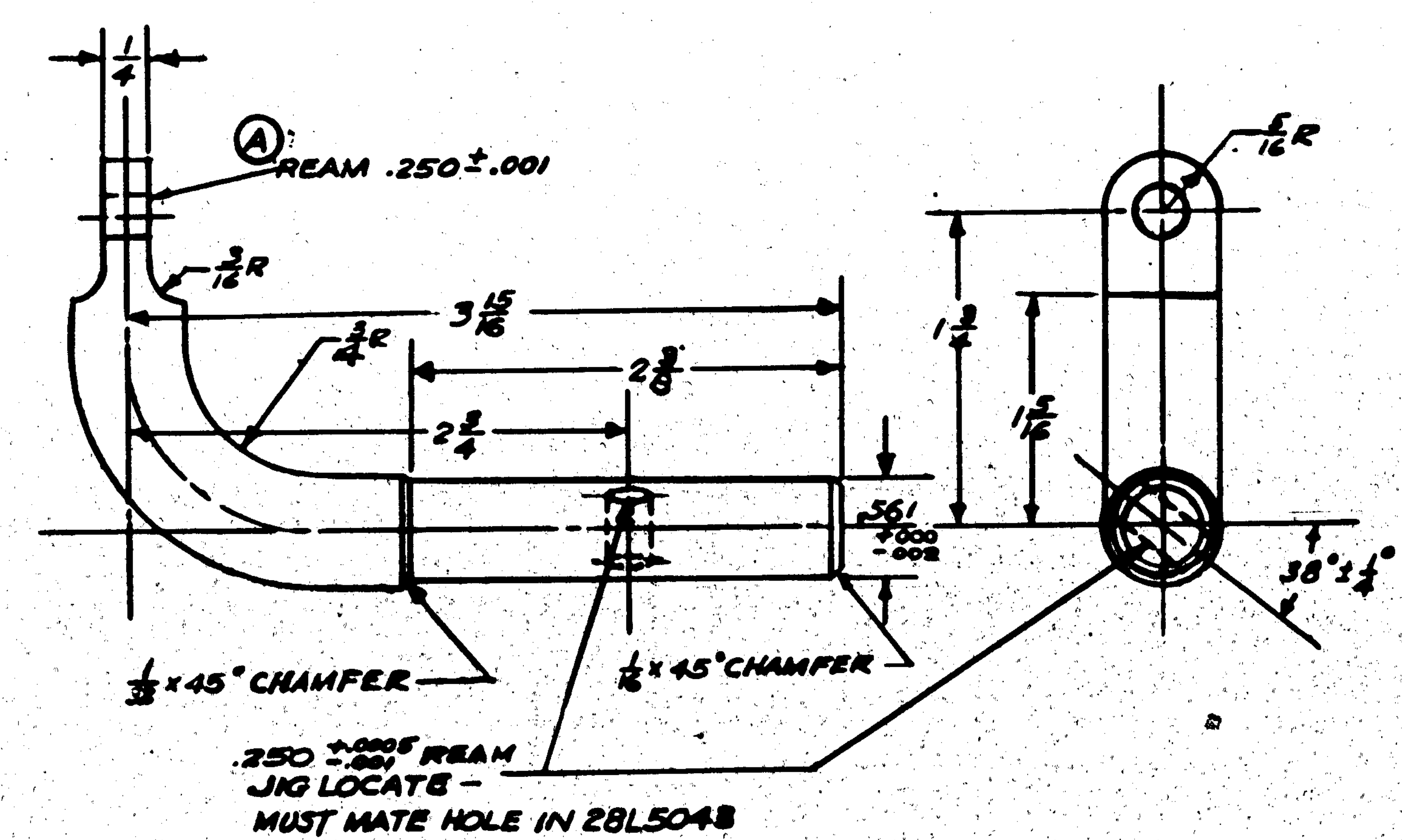
28L4067



SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
A
ADDED PBY-5A DA-10 28-5...
B
ADDED NOTE: ".312 ---- ALTERNATE"
WT. 3.68 WAS 3.1
E.O. A64382
14 FREE LENGTH
6½ COMPRESSED LENGTH.
STAMP PART # HERE
2 15/16 DIA.
.307 WIRE
19 COILS
TO WORK INSIDE
3 1/8 DIA. CYLINDER
REMOVE SHARP EDGES
AND GRIND ENDS SQUARE
BOTH ENDS
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
SPRING RATE - 40.1 #/"
NOTE: ".312 WIRE MAY BE
USED AS ALTERNATE."
B
J.P.Z. 6-23-39
APPROVED
DATE
REPLACES
REPLACED BY
3.68
CALC. WT.
ACT. WT.
SCALE 12" = 1'0"
PBY-5A
28L4085
2
PBY-5 28L4080
2
O.H.
MODEL
NEXT ASSY.
REQ.
STD PARTS
REQ.
PART NO.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
AC
NAVY
46524
SPRING TEMPER
SAND BLAST-C-2P
MATERIAL
SPEC.
HEAT TREAT
FINISH
DRAFT
CHECK
ENGR.
R
OPP. HAND —
CONSOLIDATED
AIRCRAFT CORP.
SAN DIEGO, CALIF.
SPRING-MAIN LAND. GEAR-
BUMPER.
B
28L4078

LET	ALTERATION	DATE	BY
A	REMOVED NOTE "DRILL ONE HOLE, DIM. ON NEXT ASS'Y." ADDED "REAM .250±.001"	9-21-41	[illegible]
B	ADDED 28L5041-R TO OPP. HAND BLANK IN S/M & NOTE ON FACE OF DWG.	5-14-41	[illegible]

PBY-5A
OA-10
28-5AMC
ALL



HEAT TO BEND

NOTE:
Ⓑ THIS PART IS RIGHT AND LEFT HANDED BECAUSE OF THE ANGULARITY OF THE .250 +.0005 −.001 REAMED HOLE IN THE PIN.

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
-1L-R	OA-10	28L5028L-R	1 EA
-1L-R	28-5AMC	28L5028L-R	1 EA
-1L-R	PBY-5A	28L5028	1 EA

REQUIREMENTS PER AIRPLANE

REPLACES — .38 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010

SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	LH REQ. -0	RH REQ. -0	LH REQ. -2	RH REQ. -2	LH REQ. -3	RH REQ. -3	LH REQ. -4	RH REQ. -4	LH REQ. -5	RH REQ. -5
	5/8 D X 6	STAINLESS STEEL ROD	M-286										

PARTS LIST PER ASSY.

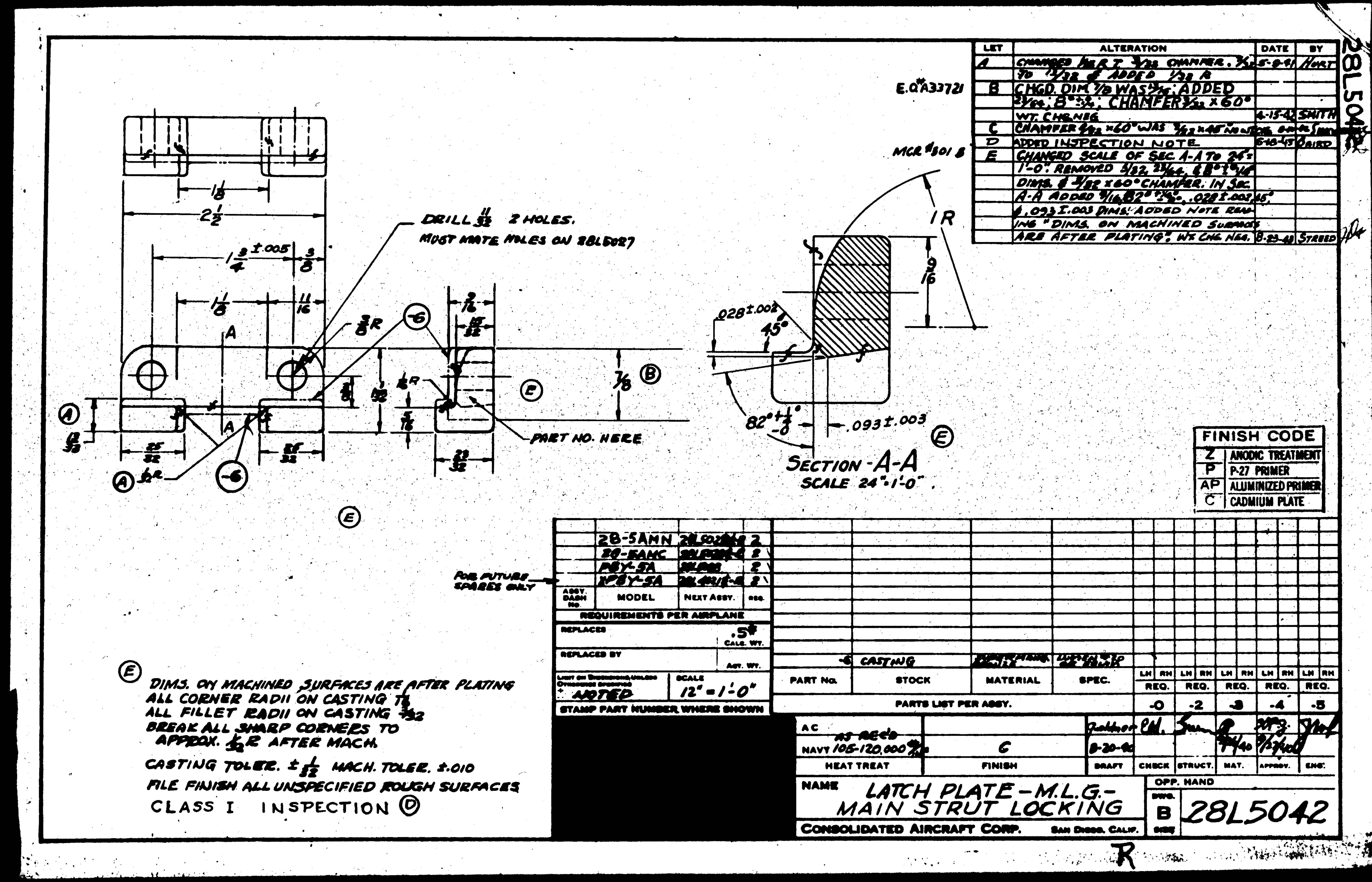
AC		DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.
NAVY 175,000#/IN²	POLISH	8-19-40			9/24/40	9/25/40	
HEAT TREAT	FINISH						

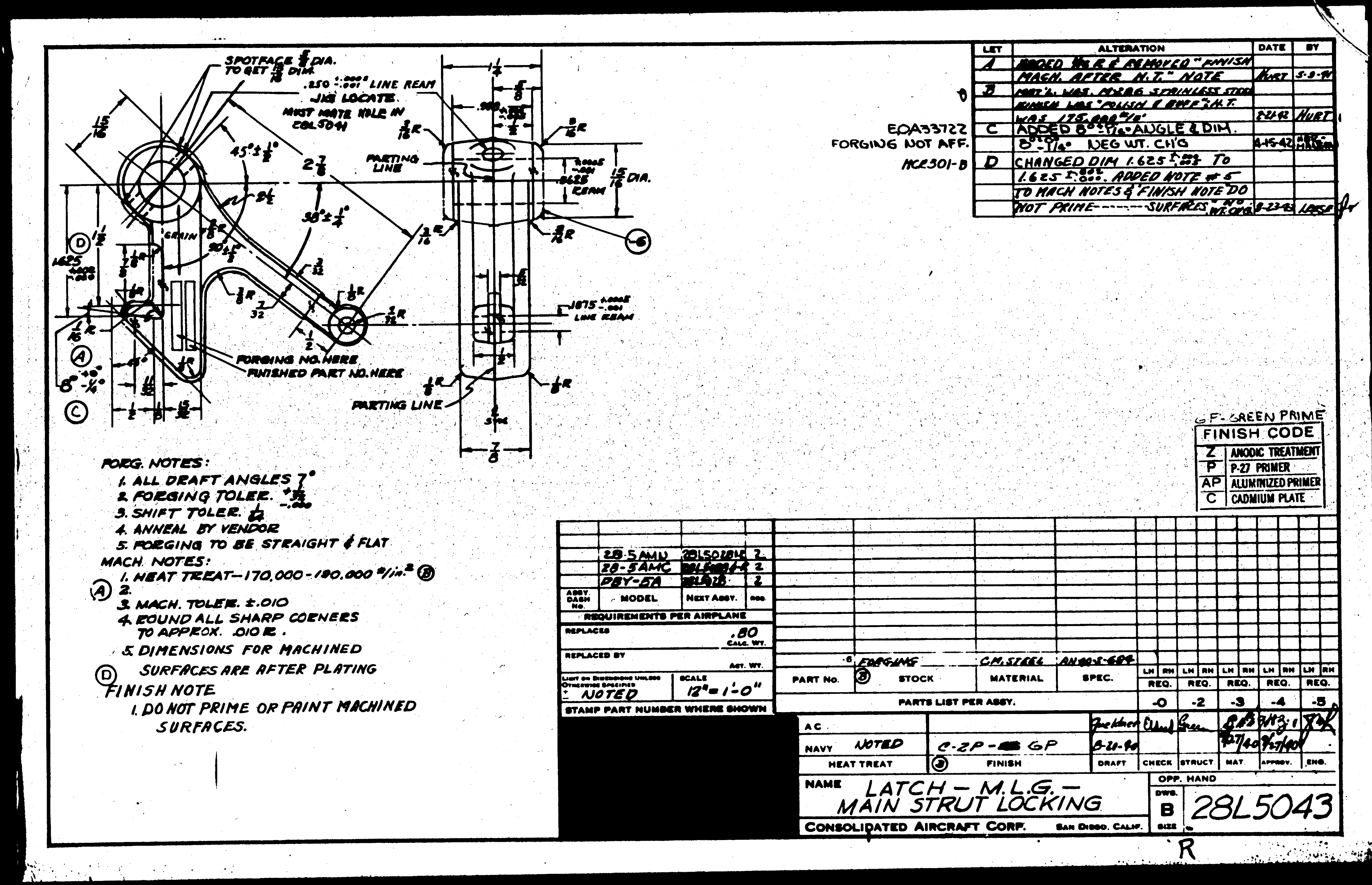
NAME PIN – M.L.G. – UPPER MAIN STRUT OPERATING

OPP. HAND 28L5041-R Ⓑ

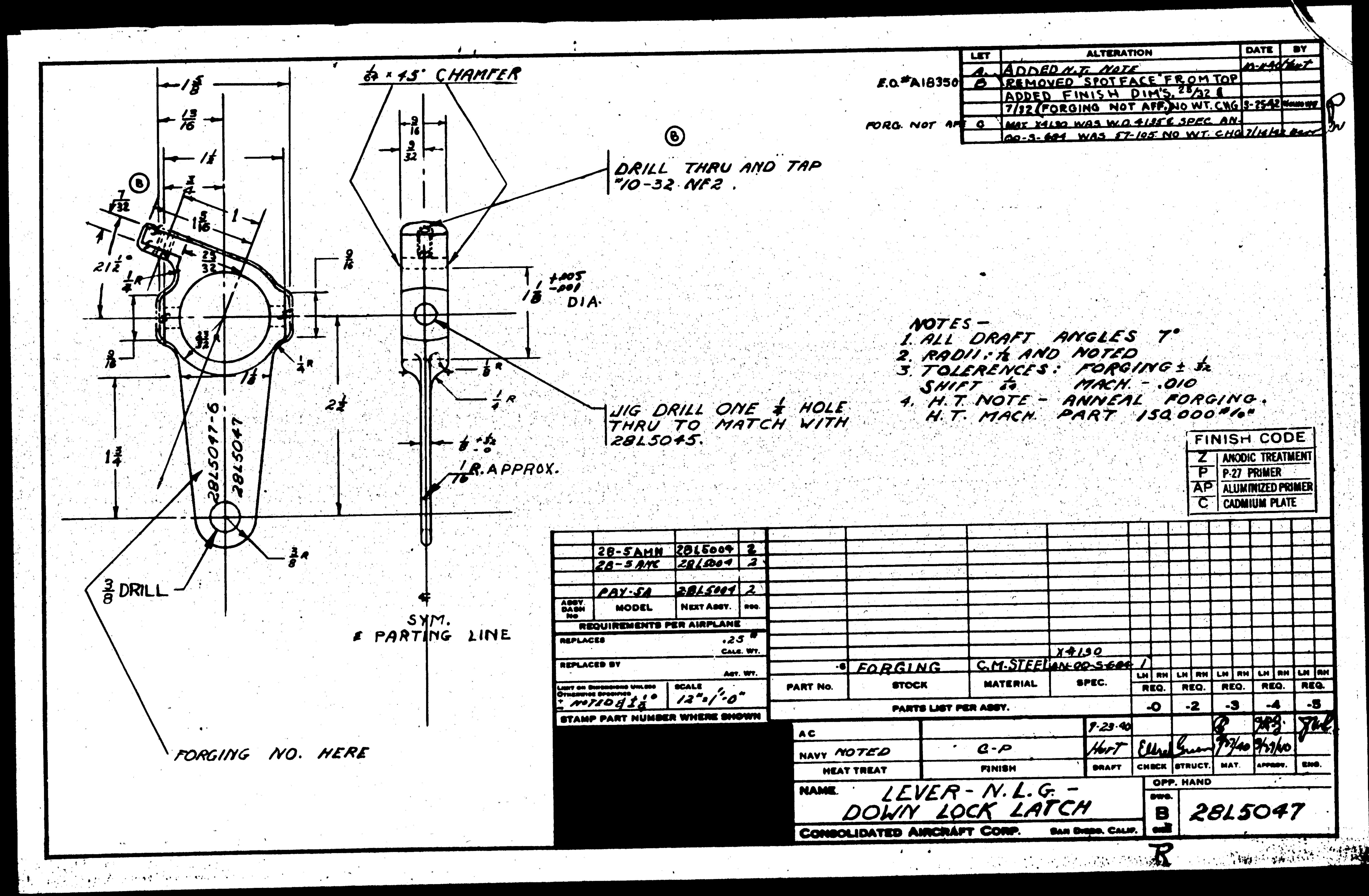
DWG. SIZE B – 28L5041

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

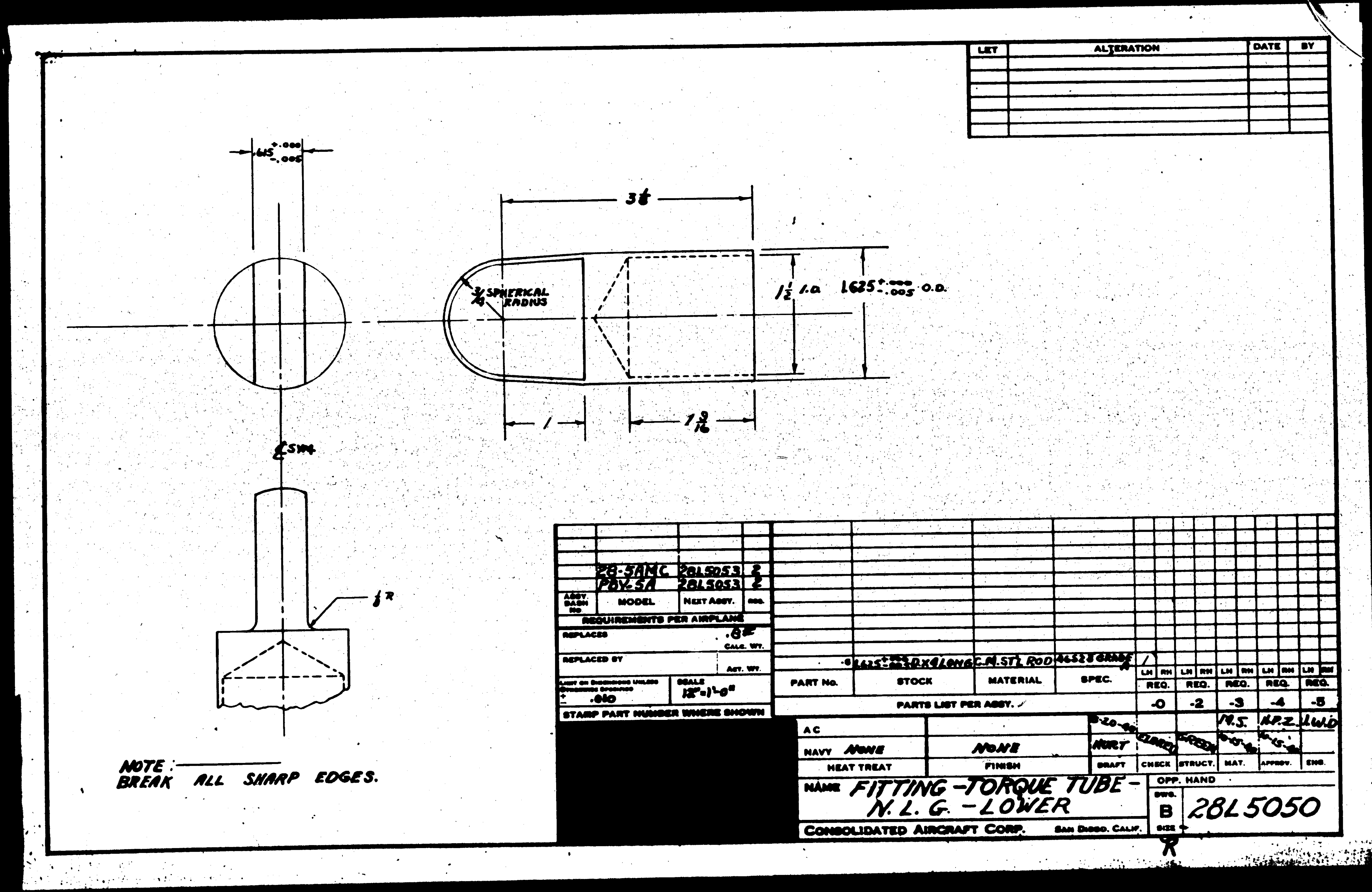

28L5042
LET
ALTERATION
DATE
BY
E.O. A33721
MCR 8018
DRILL 11/32 2 HOLES.
MUST MATE HOLES ON 28L5027
PART NO. HERE
SECTION - A-A
SCALE 24" = 1'-0"
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
FOR FUTURE SPARES ONLY
28-5AMN
28-5AMC
PBY-5A
XPBY-5A
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
REPLACED BY
CALC. WT.
ACT. WT.
SCALE
12" = 1'-0"
NOTED
STAMP PART NUMBER WHERE SHOWN
-6 CASTING
PART No.
STOCK
MATERIAL
SPEC.
PARTS LIST PER ASSY.
HEAT TREAT
FINISH
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NAVY 105-120,000
OPP. HAND
DIMS. ON MACHINED SURFACES ARE AFTER PLATING
ALL CORNER RADII ON CASTING 1/16
ALL FILLET RADII ON CASTING 1/32
BREAK ALL SHARP CORNERS TO APPROX. 1/32 R AFTER MACH.
CASTING TOLER. ± 1/32 MACH. TOLER. ±.010
FILE FINISH ALL UNSPECIFIED ROUGH SURFACES
CLASS I INSPECTION
NAME
LATCH PLATE - M.L.G. - MAIN STRUT LOCKING
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
B
28L5042



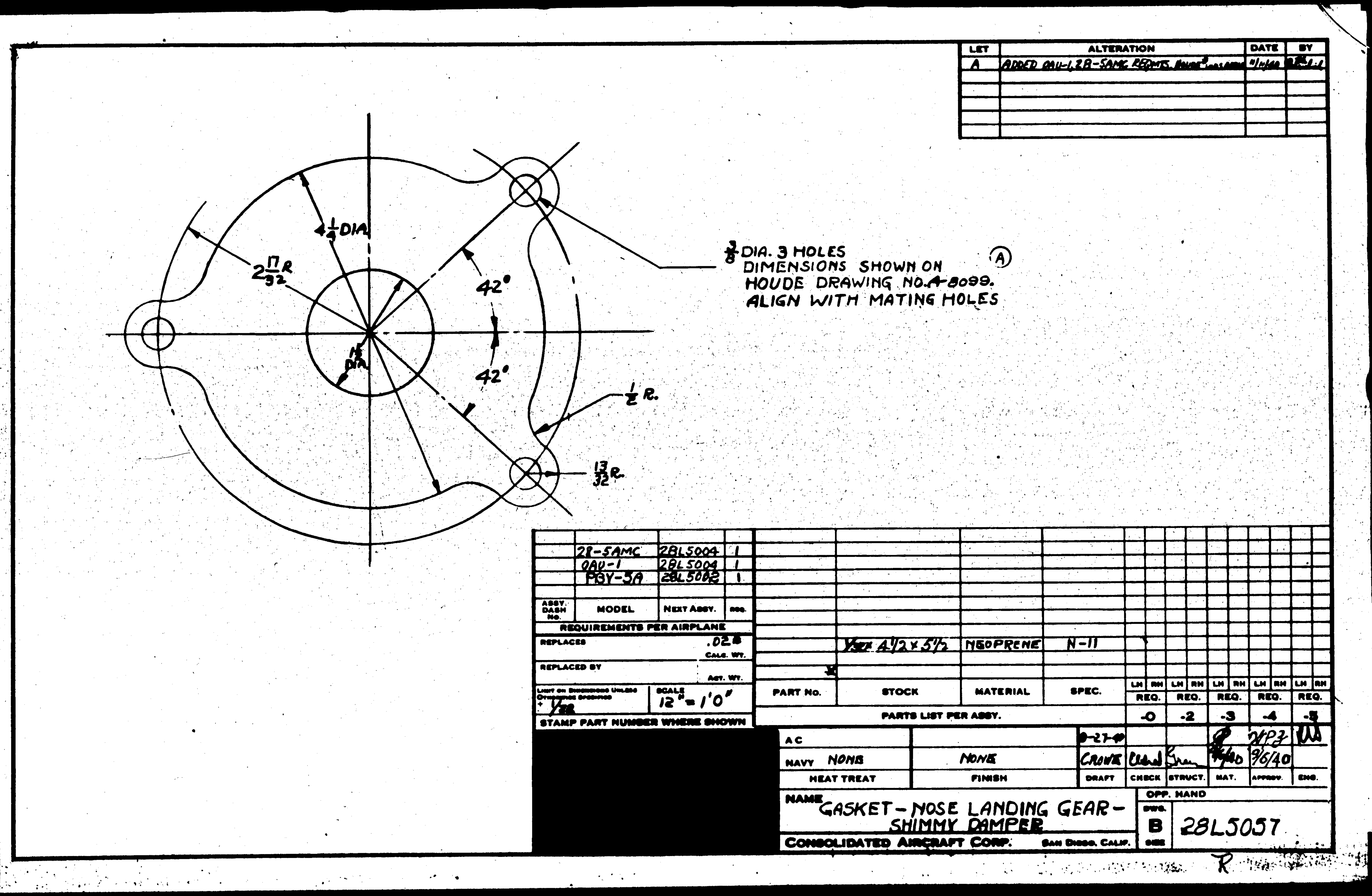
SPOTFACE 5/8 DIA. TO GET 15/16 DIM.
.250 +.0005 -.001 LINE REAM
JIG LOCATE. MUST MATE HOLE IN 28L5041
45°±1/2°
2 7/8
PARTING LINE
38°±1/4°
GRAIN
FORGING NO. HERE
FINISHED PART NO. HERE
PARTING LINE
.1875 +.0005 -.001 LINE REAM
15/16 DIA.
.8625 REAM
1.625
FORG. NOTES:
1. ALL DRAFT ANGLES 7°
2. FORGING TOLER. +1/32 -.000
3. SHIFT TOLER. 1/64
4. ANNEAL BY VENDOR
5. FORGING TO BE STRAIGHT & FLAT
MACH. NOTES:
1. HEAT TREAT—170,000-190,000 #/in.² (B)
(A) 2.
3. MACH. TOLER. ±.010
4. ROUND ALL SHARP CORNERS TO APPROX. .010 R.
5. DIMENSIONS FOR MACHINED (D) SURFACES ARE AFTER PLATING
FINISH NOTE
1. DO NOT PRIME OR PAINT MACHINED SURFACES.
LET | ALTERATION | DATE | BY
A | ADDED 45° R & REMOVED "FINISH MACH. AFTER H.T." NOTE
B | MAT'L. WAS. NX86 STAINLESS STEEL FINISH WAS "POLISH & BUFF", H.T. WAS 175,000 #/in²
C | ADDED 8° ANGLE & DIM. NEG WT. CHG | 4-15-42
D | CHANGED DIM 1.625 TO 1.625. ADDED NOTE # 5 TO MACH NOTES & FINISH NOTE DO NOT PRIME SURFACES
EOA33722
FORGING NOT AFF.
MCR301-B
GP-GREEN PRIME
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
28-5AMU
28-5AMC
PBY-5A
ASSY. DASH No. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.80 CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± NOTED
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
FORGING | CM. STEEL
PART No. | STOCK | MATERIAL | SPEC.
PARTS LIST PER ASSY.
LH RH REQ. -0 -2 -3 -4 -5
A.C.
NAVY NOTED
HEAT TREAT
C-2P- GP
FINISH
DRAFT CHECK STRUCT MAT. APPROV. ENG.
NAME LATCH — M.L.G. — MAIN STRUT LOCKING
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP. HAND
DWG. SIZE B
28L5043
R



LET
ALTERATION
DATE
BY
E.O. #A18350
A. ADDED H.T. NOTE
B REMOVED SPOTFACE FROM TOP
ADDED FINISH DIM'S. 25/32 &
7/32 (FORGING NOT AFF.) NO WT. CHG 3-25-42
FORG. NOT AFF. C
MAT X4130 WAS W.D. 4135 & SPEC AN-
QQ-S-684 WAS 57-105. NO WT. CHG
1/64 x 45° CHAMFER
DRILL THRU AND TAP #10-32 NF2.
1 1/8 +.005 -.001 DIA.
JIG DRILL ONE 1/4 HOLE THRU TO MATCH WITH 28L5045.
1/16 R. APPROX.
3/8 DRILL
3/8 R
28L5047-6
28L5047
SYM.
℄ PARTING LINE
FORGING NO. HERE
NOTES -
1. ALL DRAFT ANGLES 7°
2. RADII: 1/16 AND NOTED
3. TOLERENCES: FORGING ± 1/32
SHIFT 1/64 MACH. - .010
4. H.T. NOTE - ANNEAL FORGING.
H.T. MACH. PART 150,000#/□"
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
28-5AMN 28L5004 2
28-5AMC 28L5004 2
PBY-5A 28L5004 2
ASSY. DASH No
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.25#
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
12"=1'-0"
STAMP PART NUMBER WHERE SHOWN
-6 FORGING C.M. STEEL X4130 AN-QQ-S-684 1
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ.
-0 -2 -3 -4 -5
PARTS LIST PER ASSY.
AC
NAVY NOTED
HEAT TREAT
C-P
FINISH
9-23-40
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
OPP. HAND
NAME LEVER - N.L.G. - DOWN LOCK LATCH
DWG. B
28L5047
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.



LET
ALTERATION
DATE
BY
.615 +.000 -.005
3 1/8
3/4 SPHERICAL RADIUS
1 1/2 I.D.
1.625 +.000 -.005 O.D.
1
1 9/16
℄ SYM.
1/8 R
NOTE: BREAK ALL SHARP EDGES.
28-5AMC 28L5053 2
PBY-5A 28L5053 2
ASSY. DASH No.
MODEL
NEXT ASSY.
REQUIREMENTS PER AIRPLANE
REPLACES
.8#
CALC. WT.
REPLACED BY
ACT. WT.
SCALE 12"=1'-0"
± .010
STAMP PART NUMBER WHERE SHOWN
C.M. STL ROD
46523 GRADE A
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
-0 -2 -3 -4 -5
PARTS LIST PER ASSY.
AC
NAVY NONE
NONE
HEAT TREAT
FINISH
HURT
M.S.
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NAME FITTING-TORQUE TUBE-N.L.G.-LOWER
OPP. HAND
DWG. B
SIZE
28L5050
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

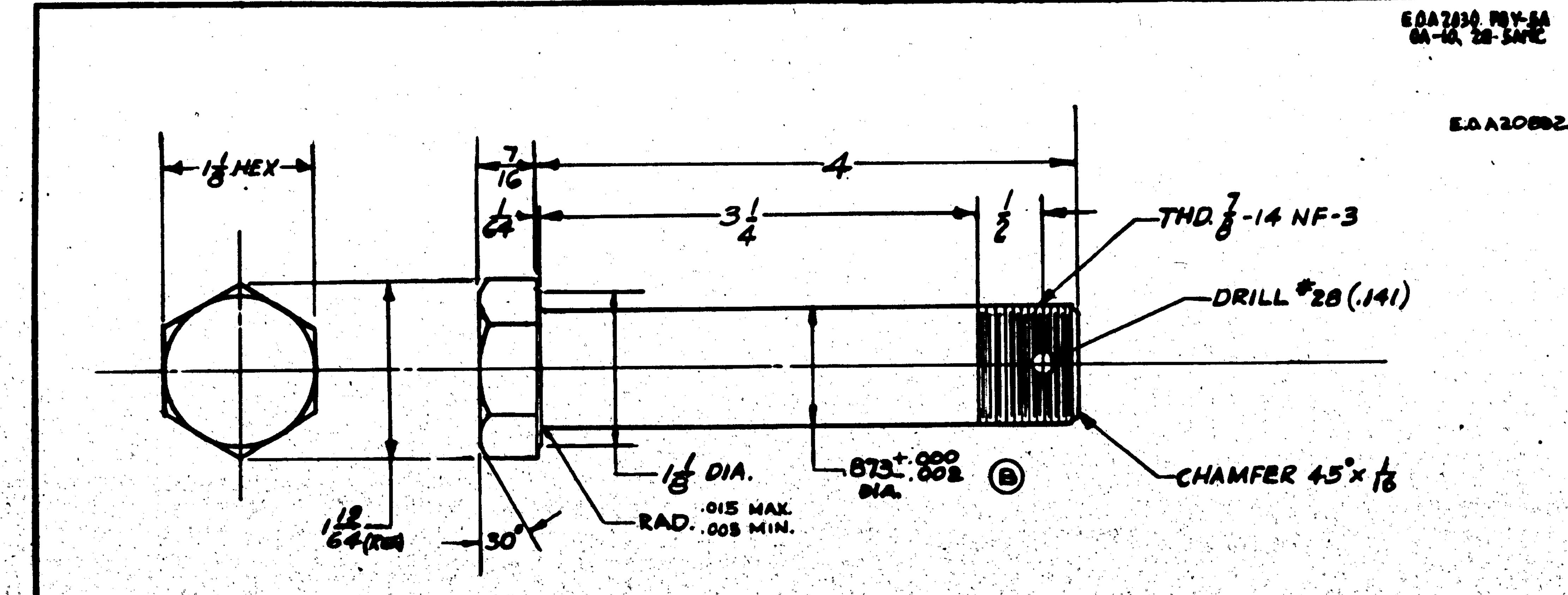


LET | ALTERATION | DATE | BY
A | ADDED OAU-1, 28-5AMC REQMTS.
4 1/4 DIA.
2 17/32 R.
42°
42°
1 1/2 DIA.
3/8 DIA. 3 HOLES DIMENSIONS SHOWN ON HOUDE DRAWING NO. A-8099. ALIGN WITH MATING HOLES
(A)
1/2 R.
13/32 R.
28-5AMC 28L5004 1
OAU-1 28L5004 1
PBY-5A 28L5002 1
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.028
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
12" = 1'0"
± 1/32
STAMP PART NUMBER WHERE SHOWN
4 1/2 x 5 1/2 NEOPRENE N-11
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
AC
NAVY NONE
NONE
HEAT TREAT
FINISH
CROWE
9/6/40
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
OPP. HAND
NAME GASKET - NOSE LANDING GEAR - SHIMMY DAMPER
DWG. SIZE B
28L5057
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

E.D.A.2030 PBY-5A
OA-10, 28-5AMC

LET	ALTERATIONS	DATE	BY
	CHANGED DESIGN OF BOLT. DIM'S 3 1/4 WAS	2-12-41	[illegible]
	3 5/16, 1/2 WAS 7/16, .874 $^{+.000}_{-.002}$ WAS		
	.811 $^{+.000}_{-.002}$, 7/8-14 NF-3 WAS 13/16 NF-3		
	RMVD. 1/16 R., .660 $^{+.000}_{-.002}$ DIMS FRM DWG.		
B	DIA. .873 $^{+.000}_{-.002}$ WAS DIA. .874 $^{+.000}_{-.002}$		
	NO WT. CHG.	3-25-42	[illegible]
C	REMOVED STAINLESS STEEL,		
	MAT. & M-286 SPEC., 175,000 HT,		
	POLISH-FINISH & ADDED NOTED.		
	ADDED MAT. NOTE #1 NO WT. CHG.	9/11/42	CRAIG

E.D.A.20802



(C)

1.-MATERIAL MAY BE:-

(A) STAINLESS STEEL BAR, SPEC. AN-QQ-S-770, T.S.-170,000 TO 190,000 P.S.I., FINISH-POLISH, OR

(B) S.A.E. X4130 STEEL BAR,-SPEC. AN-QQ-S-684, T.S. 170,000 TO 190,000 P.S.I., FINISH-CADMIUM PLATE PER SPEC.-AN-QQ-P-421 ON BOLT HEAD & THREAD LENGTH ONLY. GRIP LENGTHS TO BE POLISHED.

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	28-5AMN	28L5003-2	2
	28-5AMC	28L5003-2	2
	PBY-5A	28L5003	2

REQUIREMENTS PER AIRPLANE

REPLACES	.75# CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010	SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	LH REQ. -0	RH REQ. -0	LH REQ. -2	RH REQ. -2	LH REQ. -3	RH REQ. -3	LH REQ. -4	RH REQ. -4	LH REQ. -5	RH REQ. -5
	1 1/8 HEX x 4 5/8	NOTED	NOTED										

PARTS LIST PER ASSY.

AC		[illegible]	T.G.R.	[illegible]	ADMAR R.A.F.	3.	[illegible]
NAVY NOTED	NOTED	11-20-40	[illegible]			[illegible]	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

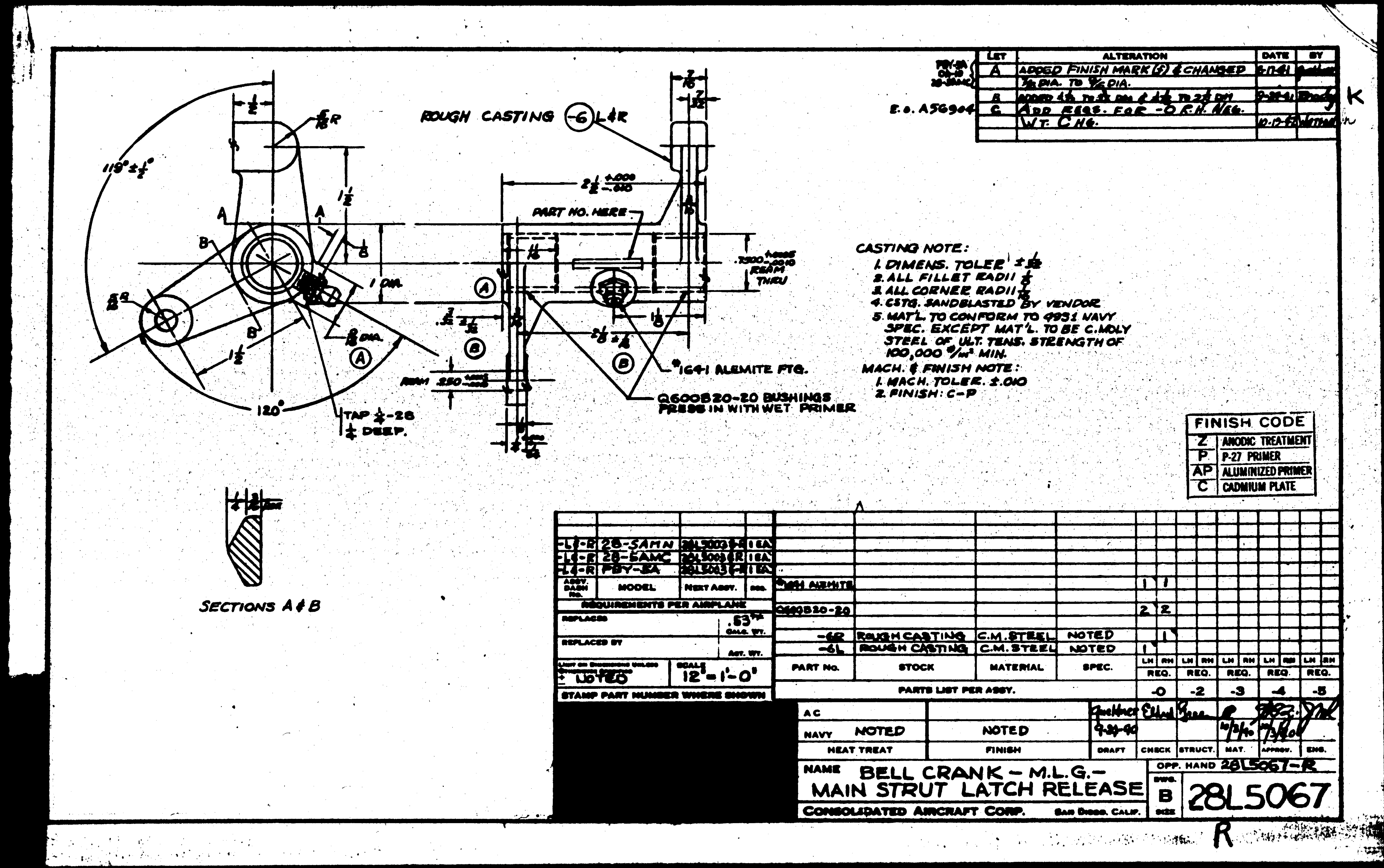
NAME BOLT - M.L.G. - UPPER VEE STRUT - REAR

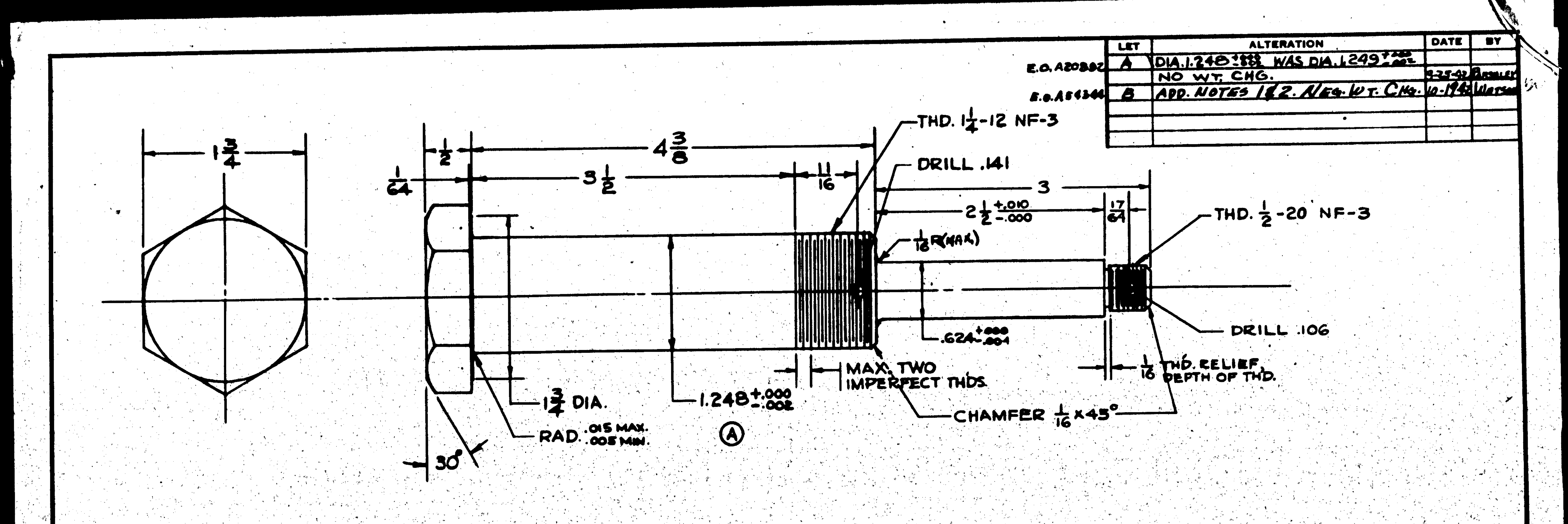
OPP. HAND

DWG. SIZE B 28L5058

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

28L5058


ROUGH CASTING -6 L&R
PART NO. HERE
CASTING NOTE:
1. DIMENS. TOLER ±1/32
2. ALL FILLET RADII 1/8
3. ALL CORNER RADII 1/16
4. CSTG. SANDBLASTED BY VENDOR
5. MAT'L. TO CONFORM TO 4951 NAVY SPEC. EXCEPT MAT'L. TO BE C.MOLY STEEL OF ULT. TENS. STRENGTH OF 100,000 #/in² MIN.
MACH. & FINISH NOTE:
1. MACH. TOLER. ±.010
2. FINISH: C-P
#1641 ALEMITE FTG.
Q600B20-20 BUSHINGS PRESS IN WITH WET PRIMER
TAP 1/4-28 1/4 DEEP.
SECTIONS A & B
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
LET
ALTERATION
DATE
BY
A ADDED FINISH MARK(S) & CHANGED 3/16 DIA. TO 9/16 DIA.
B
C ADD REQS. FOR -0 R.H. NEG. WT. CHG.
E.O. A56904
-6R ROUGH CASTING C.M. STEEL NOTED
-6L ROUGH CASTING C.M. STEEL NOTED
Q600B20-20
1641 ALEMITE
PART No.
STOCK
MATERIAL
SPEC.
PARTS LIST PER ASSY.
28-5AMN
28-5AMC
PBY-5A
MODEL
NEXT ASSY.
REQUIREMENTS PER AIRPLANE
REPLACES
REPLACED BY
.53 CALC. WT.
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
NAVY NOTED
HEAT TREAT
NOTED
FINISH
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
OPP. HAND 28L5067-R
NAME BELL CRANK - M.L.G. - MAIN STRUT LATCH RELEASE
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
B
28L5067
R



(B) NOTES:

1. IT IS PERMISSIBLE TO USE S.A.E. 4130 IN PLACE OF M286 (CORR. RESIST. STEEL.)

2. H.T. 175,000 #/□. BOLTHEAD & THREADS ONLY TO BE CAD. PLATE. REST OF BOLT TO BE POLISHED.

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
	28-5AMN	28L5003ER	2
	28-5AMC	28L5003ER	2
	PBY-5A	28L5003ER	2

REQUIREMENTS PER AIRPLANE

REPLACES	2.1 # CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010	SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART NO.	STOCK	MATERIAL	SPEC.	LH REQ. -0	RH REQ. -0	LH REQ. -2	RH REQ. -2	LH REQ. -3	RH REQ. -3	LH REQ. -4	RH REQ. -4	LH REQ. -5	RH REQ. -5
	1 3/4 HEX. X 8 LONG	STNLSS STL. ROD	M-286										

PARTS LIST PER ASSY.

A C		DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.
NAVY NOTED	NOTED	Guldner 9-24-40	[signature]	[signature]	[signature] 10/3/40	[signature] 10/3/40	[signature]
HEAT TREAT	FINISH						

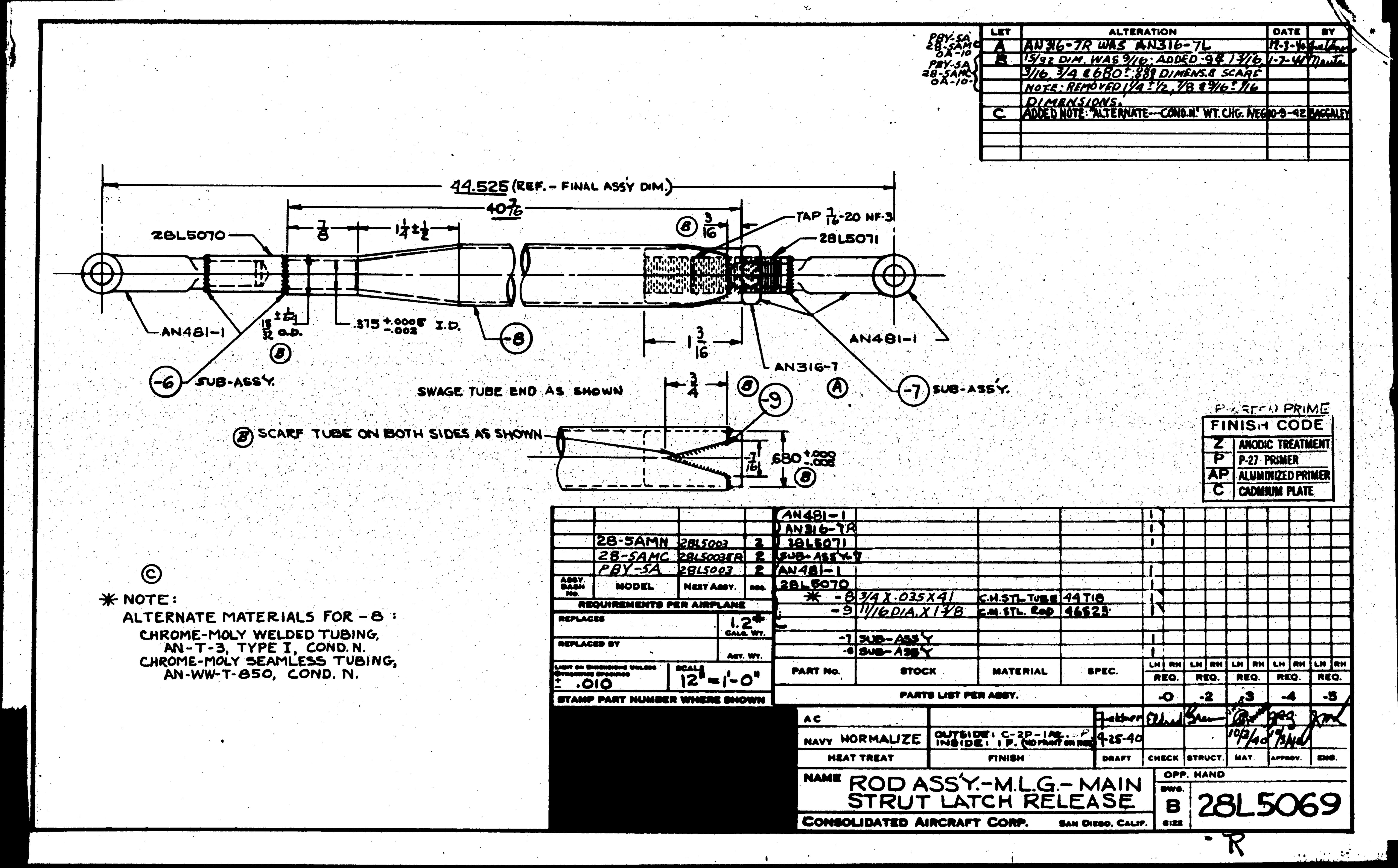
NAME BOLT - M.L.G. - UPPER HALF MAIN STRUT - ATTACHING

OPP. HAND

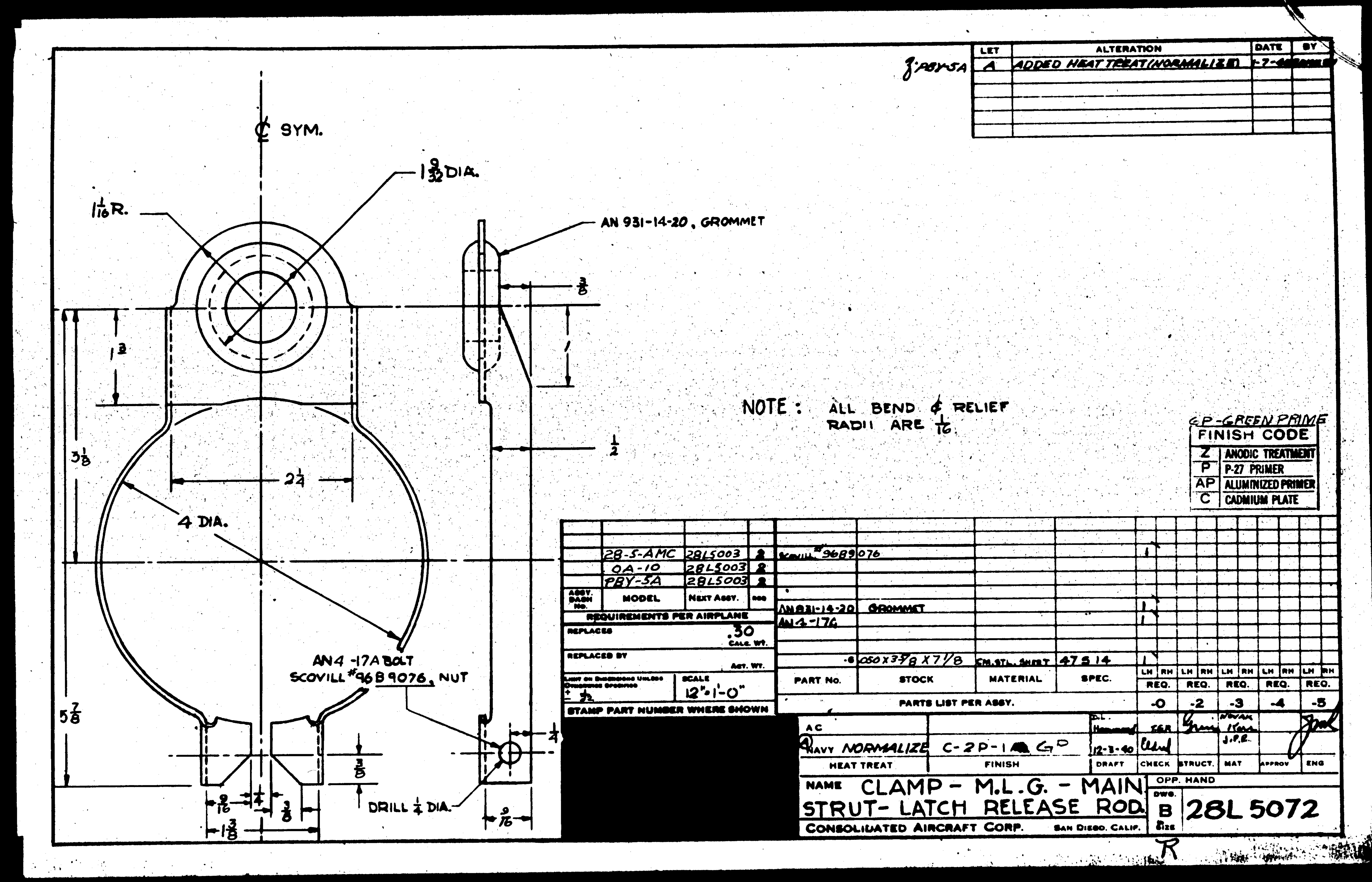
DWG. SIZE B 28L5068

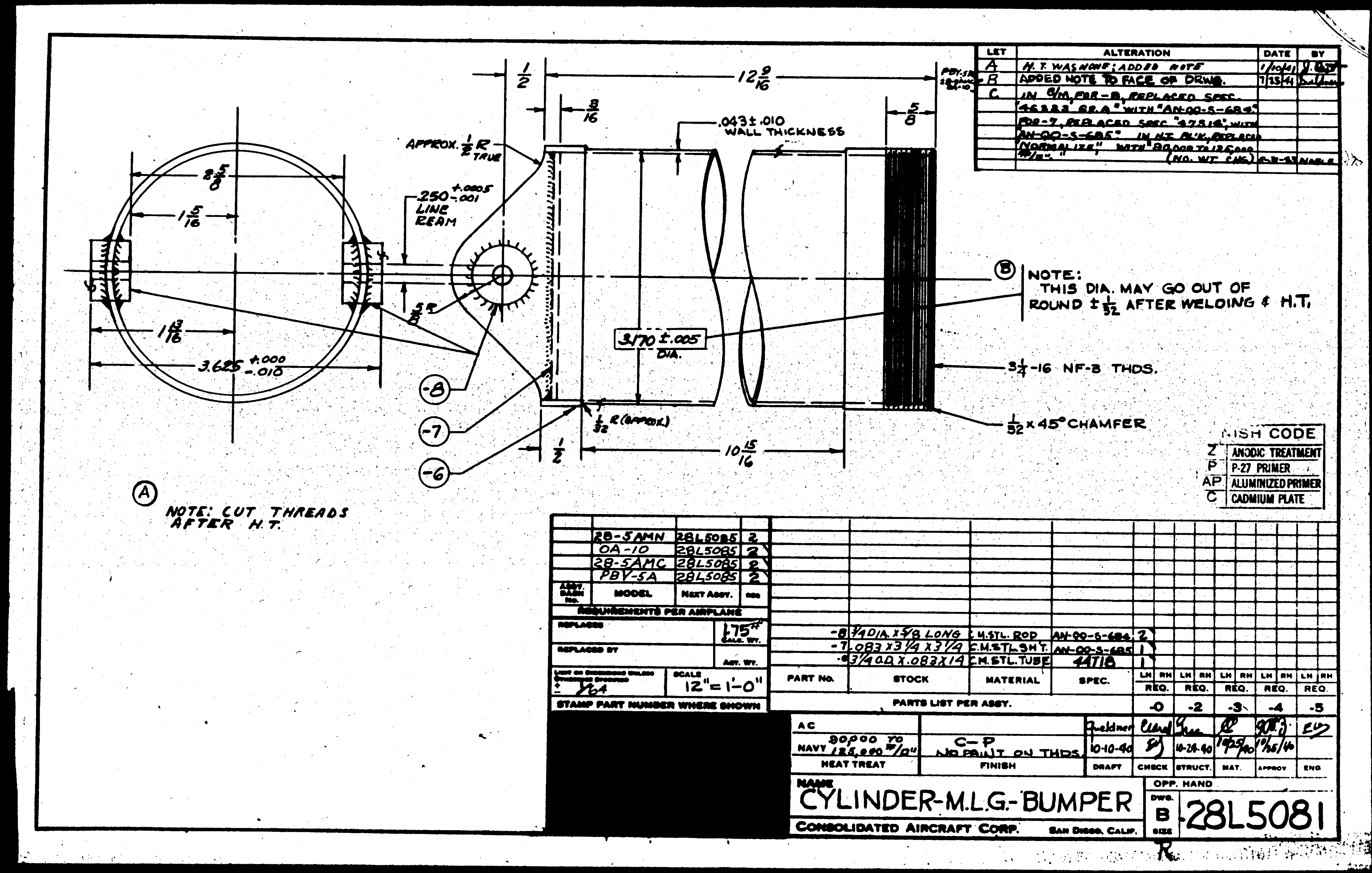
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

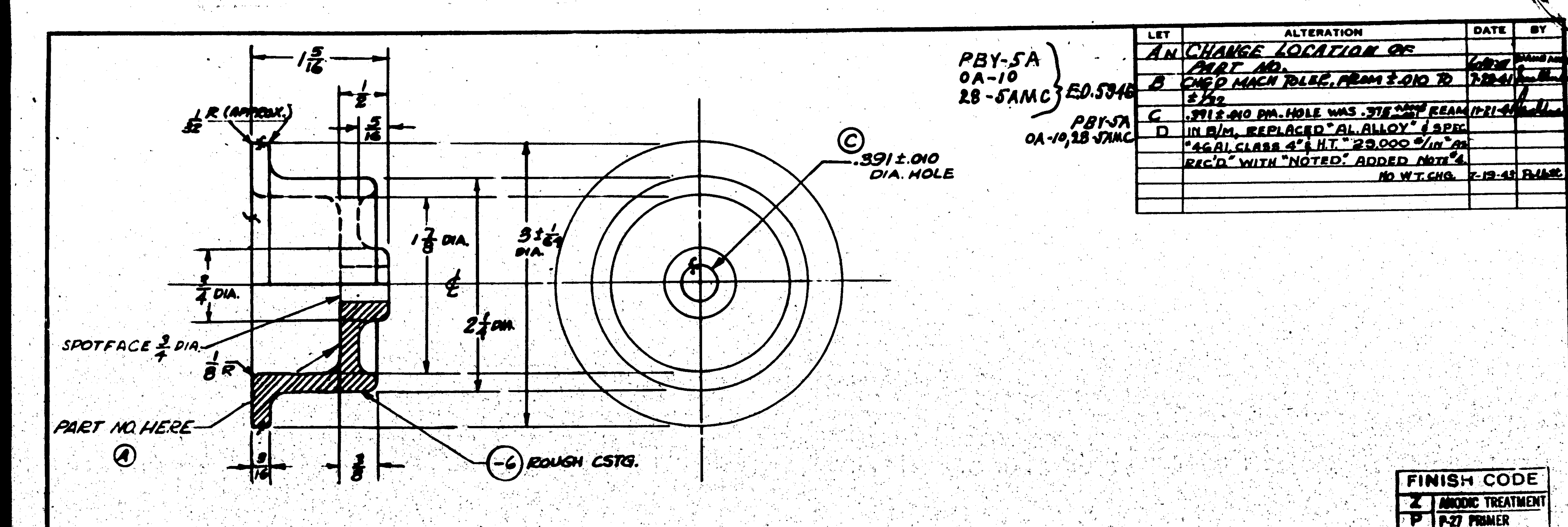


LET
ALTERATION
DATE
BY
PBY-5A 28-5AMC OA-10
A
AN316-7R WAS AN316-7L
PBY-5A 28-5AMC OA-10
B
15/32 DIM. WAS 9/16: ADDED 9 & 1 3/16, 3/16, 3/4 & .680 +.000 -.003 DIMENS. & SCARF
NOTE: REMOVED 1 1/4 ± 1/2, 7/8 & 9/16 ± 1/16 DIMENSIONS.
C
ADDED NOTE: "ALTERNATE---COND. N." WT. CHG. NEG.
10-9-42
BAGGALEY
44.525 (REF. - FINAL ASS'Y DIM.)
40 7/16
7/8
1 1/4 ± 1/2
B 3/16
TAP 7/16-20 NF-3
28L5070
28L5071
AN481-1
15/32 ± 1/64 O.D.
.375 +.0005 -.002 I.D.
-8
1 3/16
AN481-1
AN316-7
A
-6 SUB-ASS'Y.
-7 SUB-ASS'Y.
SWAGE TUBE END AS SHOWN
3/4
-9
B SCARF TUBE ON BOTH SIDES AS SHOWN
7/16
.680 +.000 -.003
B
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
C
* NOTE:
ALTERNATE MATERIALS FOR -8 :
CHROME-MOLY WELDED TUBING, AN-T-3, TYPE I, COND. N.
CHROME-MOLY SEAMLESS TUBING, AN-WW-T-850, COND. N.
28-5AMN 28L5003 2
28-5AMC 28L5003SR 2
PBY-5A 28L5003 2
ASSY. DASH No. MODEL NEXT ASSY. REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
1.2* CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
AN481-1 1
AN316-7R 1
28L5071 1
SUB-ASS'Y-7
AN481-1 1
28L5070 1
* -8 3/4 X .035 X 41 C.M. STL. TUBE 44T18 1
-9 11/16 DIA. X 1 7/8 C.M. STL. ROD 46S23 1
-7 SUB-ASS'Y 1
-6 SUB-ASS'Y 1
PART No. STOCK MATERIAL SPEC.
LH RH REQ.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
AC
NAVY NORMALIZE
OUTSIDE: C-2P-1AG. P
INSIDE: 1 P.
HEAT TREAT
FINISH
4-25-40
DRAFT CHECK STRUCT. MAT. APPROV. ENG.
NAME ROD ASS'Y.-M.L.G.- MAIN STRUT LATCH RELEASE
OPP. HAND
DWG. B SIZE
28L5069
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
-R


LET
ALTERATION
DATE
BY
3-PBY-5A
A
ADDED HEAT TREAT (NORMALIZE)
℄ SYM.
1 9/32 DIA.
1 1/16 R.
AN 931-14-20, GROMMET
3/8
1 3/8
1
3 1/8
2 1/4
1/2
4 DIA.
NOTE: ALL BEND ℄ RELIEF RADII ARE 1/16
GP-GREEN PRIME
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
AN4-17A BOLT
SCOVILL #96B9076, NUT
5 7/8
3/8
1/4
DRILL 1/4 DIA.
9/16
1/4
3/8
1 3/8
9/16
28-5-AMC 28L5003 2
OA-10 28L5003 2
PBY-5A 28L5003 2
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
.30 CALC. WT.
REPLACED BY
ACT. WT.
SCALE 12"=1'-0"
STAMP PART NUMBER WHERE SHOWN
SCOVILL #96B9076 1
AN931-14-20 GROMMET 1
AN4-17A 1
-0 .050 X 3 5/8 X 7 1/8 CM. STL. SHEET 47S14 1
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
AC
NAVY NORMALIZE
C-2P-1 GP
HEAT TREAT
FINISH
12-3-40
DRAFT
CHECK
STRUCT.
MAT
APPROV
ENG
NAME CLAMP - M.L.G. - MAIN STRUT - LATCH RELEASE ROD
OPP. HAND
DWG. B SIZE
28L 5072
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R



LET
ALTERATION
DATE
BY
A
H.T. WAS NONE; ADDED NOTE
B
ADDED NOTE TO FACE OF DRWG.
C
IN B/M, FOR -8, REPLACED SPEC. "46323 GR.A" WITH "AN-QQ-S-684"
FOR -7, REPLACED SPEC "47316" WITH "AN-QQ-S-685". IN H.T. BLK, REPLACED "NORMALIZE" WITH "80,000 TO 125,000 #/□"
(NO. WT. CHG.)
1/2
12 9/16
3/16
5/8
.043±.010 WALL THICKNESS
APPROX. 1/2 R TRUE
2 5/8
.250 +.0005 -.001 LINE REAM
1 5/16
5/8 R
1 13/16
3.625 +.000 -.010
3.170 ±.005 DIA.
NOTE: THIS DIA. MAY GO OUT OF ROUND ± 1/32 AFTER WELDING & H.T.
3 1/4-16 NF-3 THDS.
1/32 R (APPROX.)
1/32 x 45° CHAMFER
-8
-7
-6
1/2
10 15/16
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
NOTE: CUT THREADS AFTER H.T.
28-5AMN 28L5085 2
OA-10 28L5085 2
28-5AMC 28L5085 2
PBY-5A 28L5085 2
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
REPLACED BY
1.75# CALC. WT.
ACT. WT.
SCALE 12"=1'-0"
STAMP PART NUMBER WHERE SHOWN
-8 1/4 DIA. X 5/8 LONG C.M. STL. ROD AN-QQ-S-684 2
-7 .083 X 3 1/4 X 3 1/4 C.M. STL. SH'T. AN-QQ-S-685 1
-6 3 1/4 O.D. X .083 X 14 C.M. STL. TUBE 44T18 1
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
AC
NAVY 80,000 TO 125,000 #/□"
HEAT TREAT
C-P NO PAINT ON THDS.
FINISH
10-10-40
10-24-40
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
OPP. HAND
NAME
CYLINDER-M.L.G.-BUMPER
DWG. SIZE B
28L5081
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.



FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

GP-GREEN PRIME

CASTING NOTE:

1. ALL FILLET RADII $\frac{3}{16}$ & CORNER RADII $\frac{1}{32}$ EXCEPT AS NOTED.
2. CASTING TOLER. $\pm\frac{1}{32}$
3. MACH. TOLER. $\pm\frac{1}{32}$ B

(D) 4. MATERIAL FOR -6 MAY BE-
   (A.) 195T4 AL. AL. CASTING, SPEC. AN-QQ-A-390 CL. I, T.S. 29,000 P.S.I., OR
   (B) S195T6 AL. AL. CASTING, SPEC. AN-A-5 CL. II, T.S. 32,000 P.S.I.

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ
	28-5AMN	28L5085	2
	OA-10	28L5085	2
	28-5AMC	28L5085	2
	PBY-5A	28L5085	2

REQUIREMENTS PER AIRPLANE

REPLACES — .28# CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± NOTED — SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
-6	ROUGH CASTING	NOTED	NOTED	1				

PARTS LIST PER ASSY.

AC		DRAFT	CHECK	STRUCT.	MAT.	APPROV	ENG
NAVY NOTED	Z-2P-1	10-10-40		10-24-40	10/25/40	10/25/40	
HEAT TREAT	FINISH						

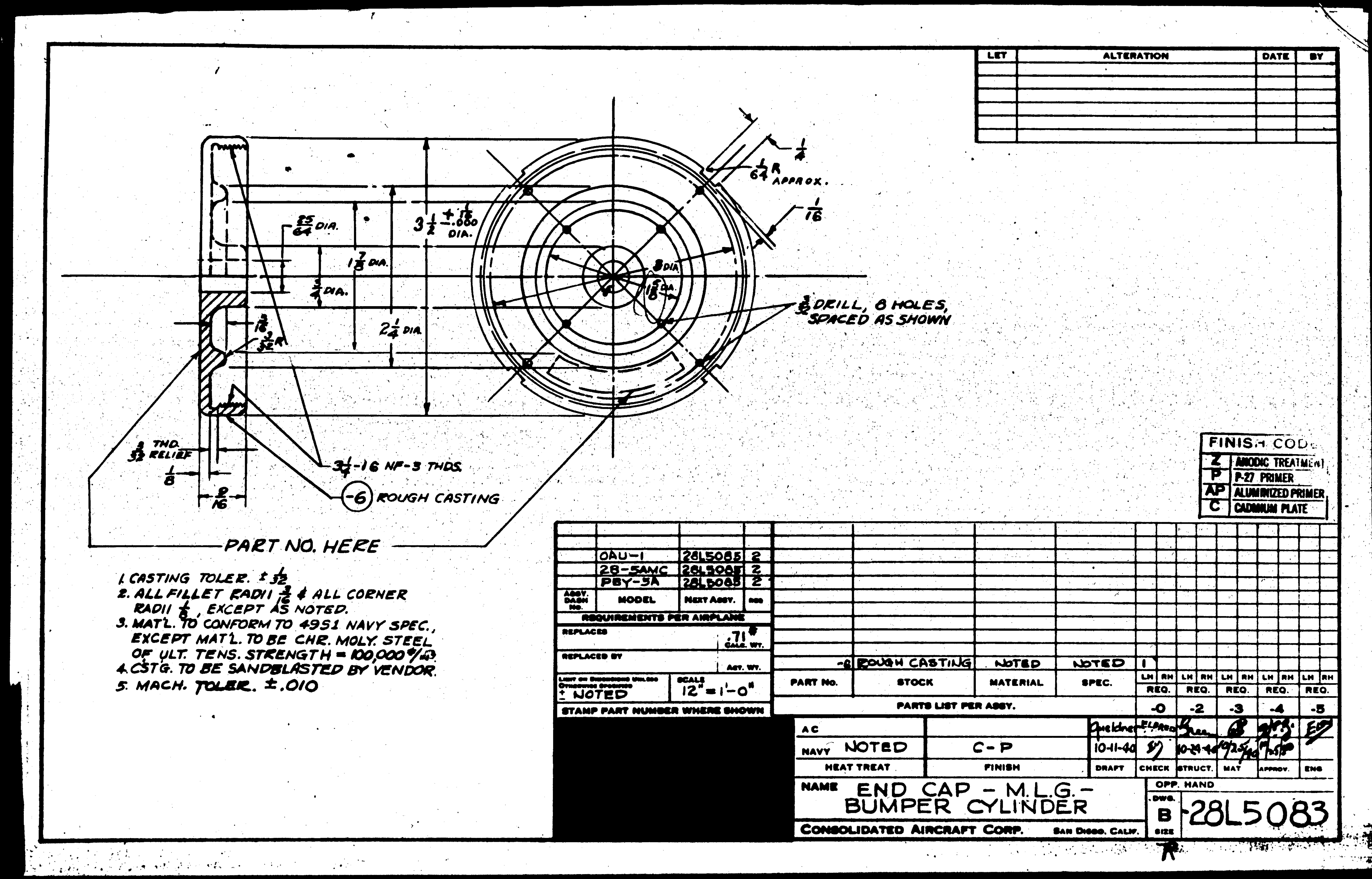
NAME RETAINER- M.L.G.-BUMPER SPRING

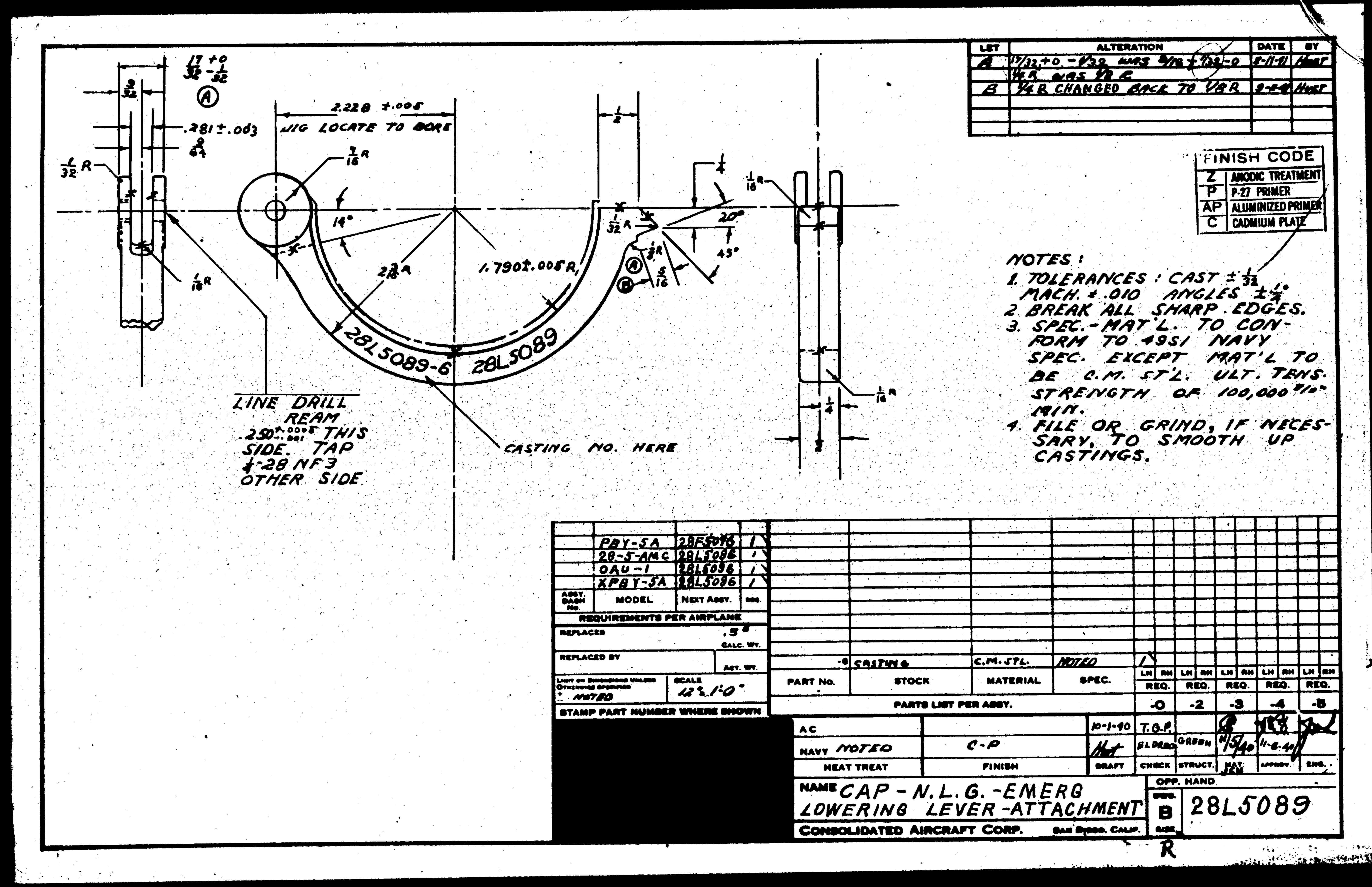
OPP. HAND

DWG. SIZE B — 28L5082

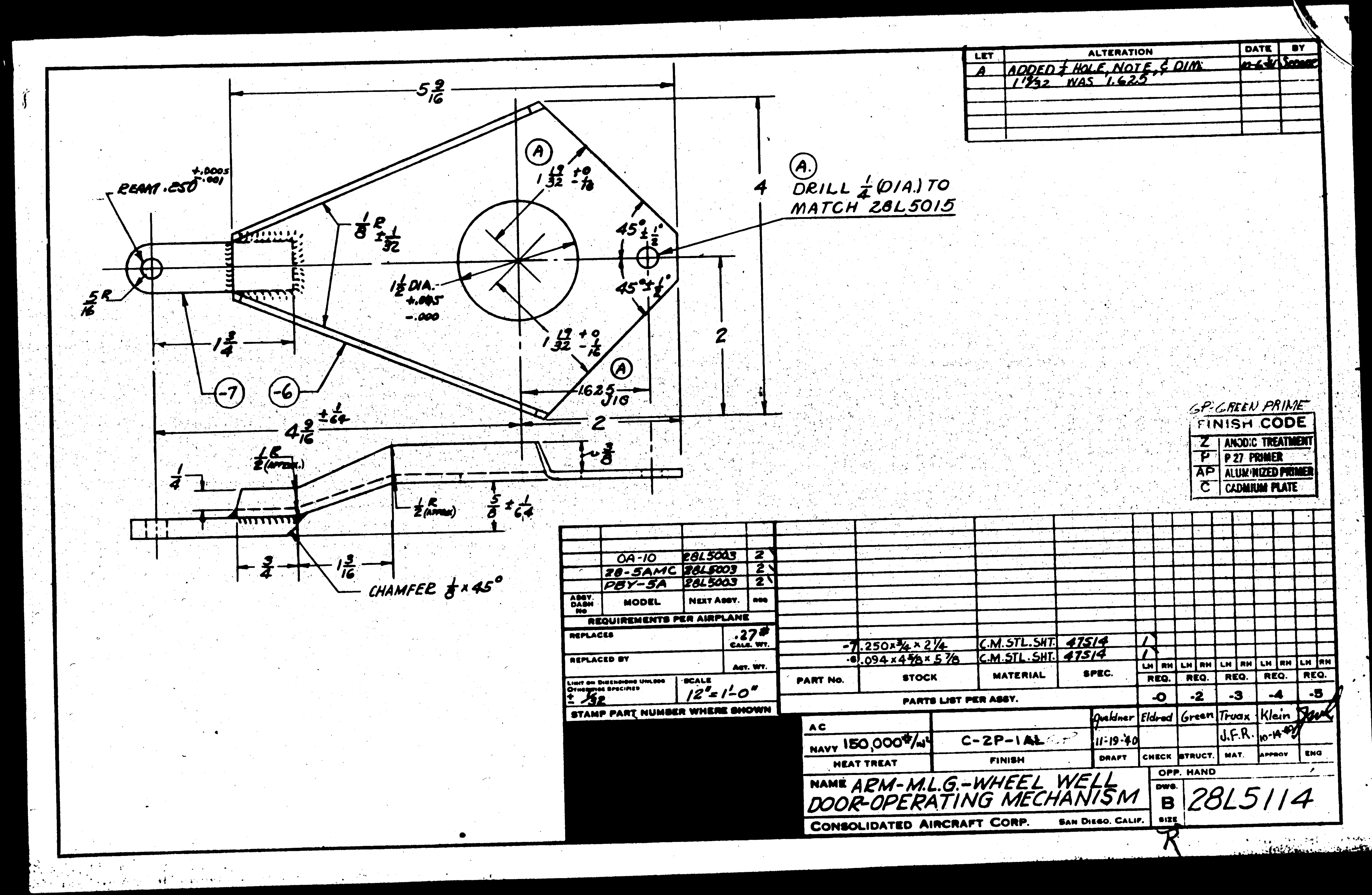
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

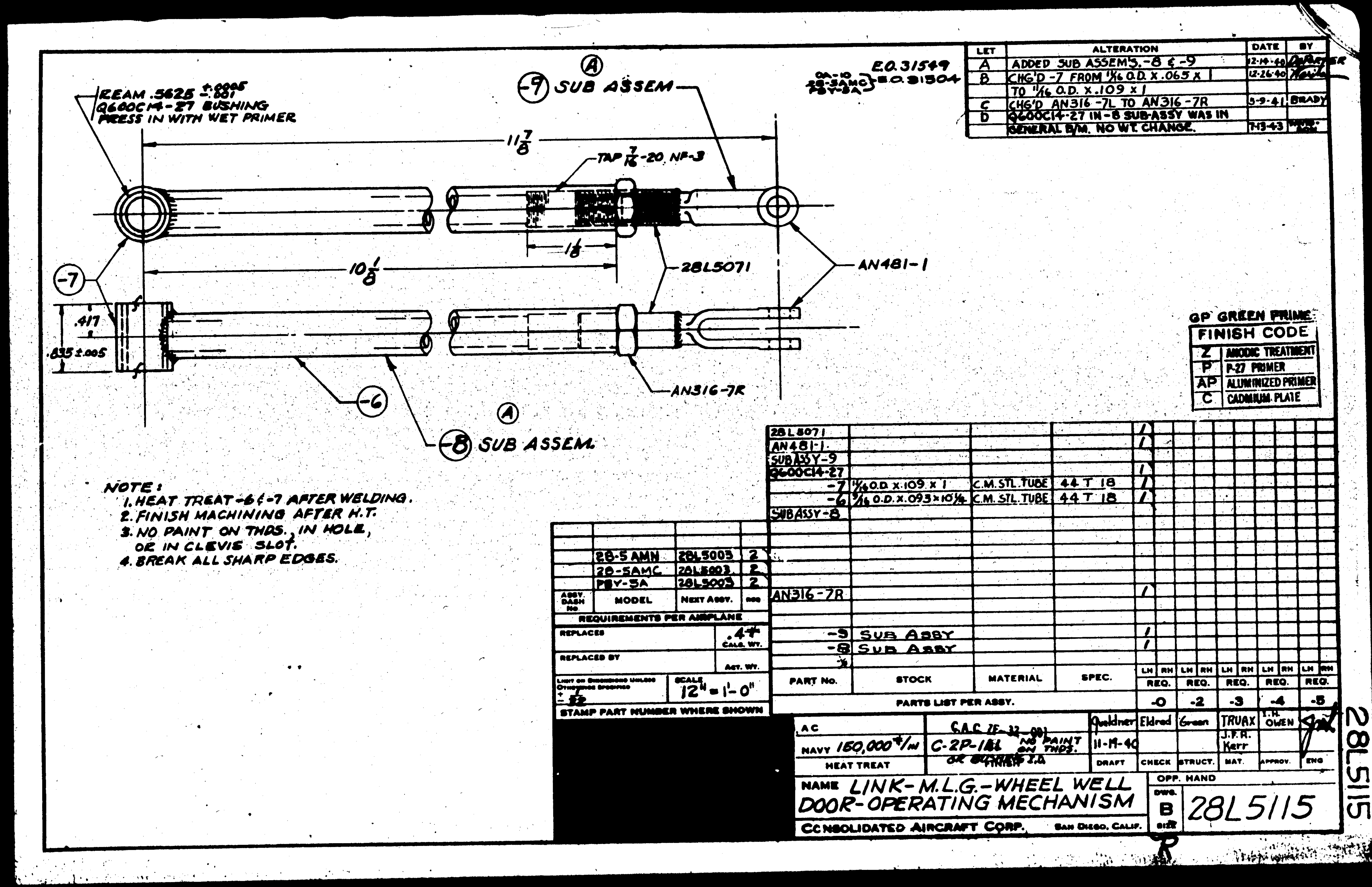
28L5082

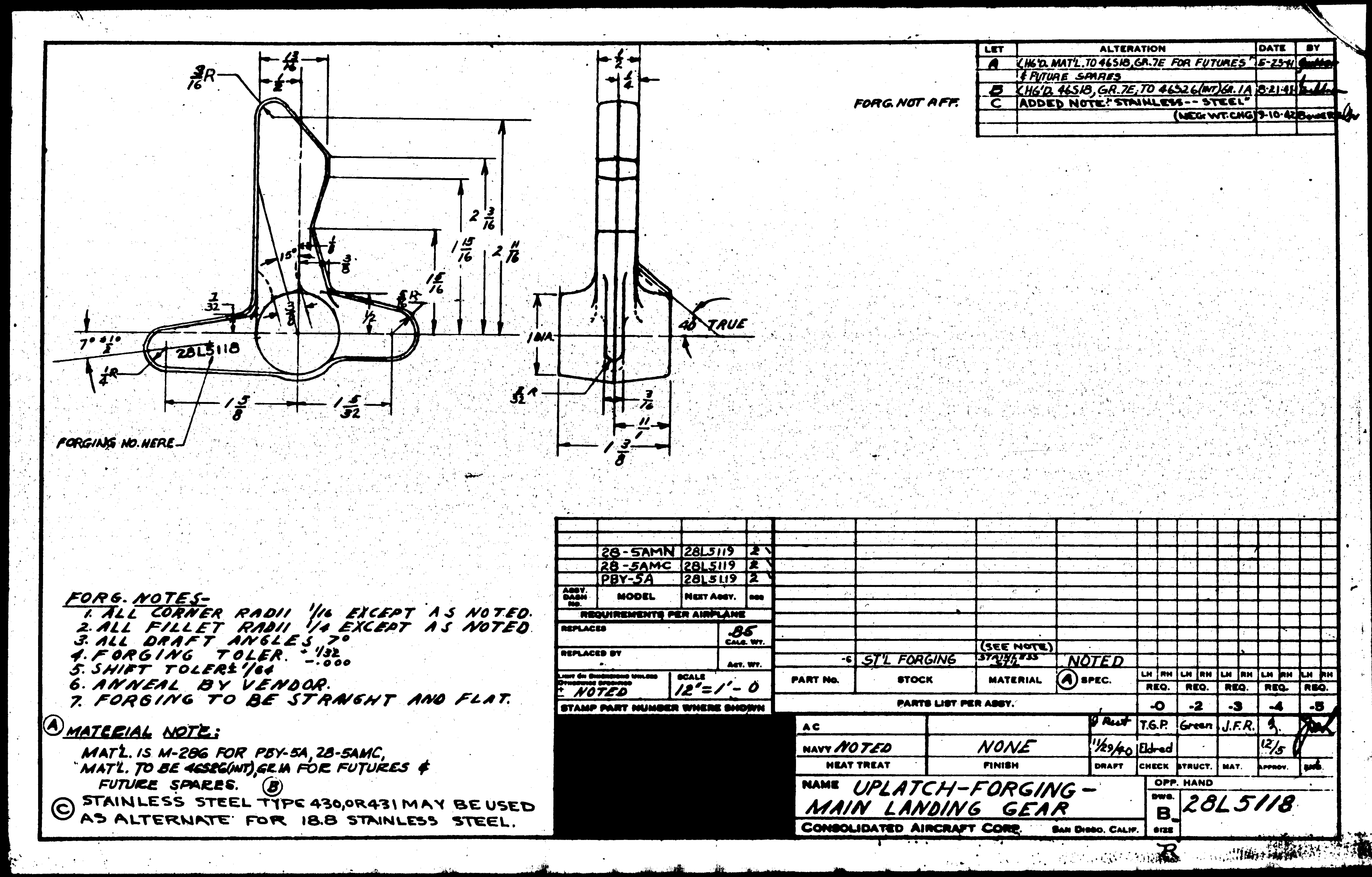

LET
ALTERATION
DATE
BY
1/4
1/64 R APPROX.
1/16
25/64 DIA.
3 1/2 +1/16 -.000 DIA.
1 7/8 DIA.
3/4 DIA.
3/16
3/32 R
2 1/4 DIA.
3 DIA.
1 5/8 DIA.
3/32 DRILL, 8 HOLES, SPACED AS SHOWN
3/32 THD. RELIEF
1/8
9/16
3 1/4-16 NF-3 THDS.
-6 ROUGH CASTING
PART NO. HERE
1. CASTING TOLER. ± 1/32
2. ALL FILLET RADII 3/16 & ALL CORNER RADII 1/8, EXCEPT AS NOTED.
3. MAT'L. TO CONFORM TO 4951 NAVY SPEC., EXCEPT MAT'L. TO BE CHR. MOLY. STEEL OF ULT. TENS. STRENGTH = 100,000 #/□"
4. CSTG. TO BE SANDBLASTED BY VENDOR.
5. MACH. TOLER. ± .010
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
OAU-1 28L5085 2
28-5AMC 28L5085 2
PBY-5A 28L5085 2
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
.71 # CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± NOTED
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
-6 ROUGH CASTING NOTED NOTED 1
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ. -0
LH RH REQ. -2
LH RH REQ. -3
LH RH REQ. -4
LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY NOTED
C-P
HEAT TREAT
FINISH
10-11-40
10-24-40
DRAFT
CHECK
STRUCT.
MAT
APPROV.
ENG
NAME END CAP - M.L.G. - BUMPER CYLINDER
OPP. HAND
DWG. SIZE B
28L5083
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.



LET | ALTERATION | DATE | BY
A 17/32 +0 -1/32 WAS 9/16 +1/32 -0 1/4 R WAS 1/8 R 8-11-41 Hurt
B 1/4 R CHANGED BACK TO 1/8 R Hurt
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
NOTES:
1. TOLERANCES: CAST ± 1/32 MACH. ± .010 ANGLES ± 1/4°
2. BREAK ALL SHARP EDGES.
3. SPEC.-MAT'L. TO CONFORM TO 49S1 NAVY SPEC. EXCEPT MAT'L TO BE C.M. ST'L. ULT. TENS. STRENGTH OF 100,000 #/□" MIN.
4. FILE OR GRIND, IF NECESSARY, TO SMOOTH UP CASTINGS.
2.228 ±.005
JIG LOCATE TO BORE
.281 ± .003
9/64
1.790 ± .005 R
14°
20°
45°
28L5089-6
28L5089
LINE DRILL REAM .250 +.0005 -.001 THIS SIDE. TAP 1/4-28 NF3 OTHER SIDE
CASTING NO. HERE
PBY-5A 28L5096 1
28-5-AMC 28L5096 1
OA-10 28L5096 1
XPBY-5A 28L5096 1
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES .5# CALC. WT.
REPLACED BY ACT. WT.
SCALE 12" 1'-0"
STAMP PART NUMBER WHERE SHOWN
-6 CASTING C.M. STL. NOTED 1
PART No. | STOCK | MATERIAL | SPEC.
PARTS LIST PER ASSY.
NAVY NOTED
C-P
HEAT TREAT | FINISH | DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
10-1-40 T.G.P.
ELDRED GREEN 11-6-40
NAME CAP - N.L.G. - EMERG LOWERING LEVER - ATTACHMENT
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP. HAND
B 28L5089
R


LET | ALTERATION | DATE | BY
A | ADDED 1/4 HOLE, NOTE, & DIM. 1 19/32 WAS 1.625
5 9/16
4
2
REAM .250 +.0005 -.001
5/16 R
1/8 R ± 1/32
1 19/32 +0 -1/16
1 1/2 DIA. +.005 -.000
45° ± 1/2°
A. DRILL 1/4 (DIA.) TO MATCH 28L5015
1 3/4
-7
-6
1.625 1 19/32
4 9/16 ± 1/64
1/2 R (APPROX.)
1/4
3/8
5/8 ± 1/64
3/4
1 3/16
CHAMFER 1/8 × 45°
GP: GREEN PRIME
FINISH CODE
Z ANODIC TREATMENT
P P 27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
OA-10 28L5003 2
28-5AMC 28L5003 2
PBY-5A 28L5003 2
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.27# CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
-7 .250 × 3/4 × 2 1/4 C.M.STL.SHT. 47514 1
-6 .094 × 4 5/8 × 5 7/8 C.M.STL.SHT. 47514 1
PART NO. | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY 150,000#/in²
HEAT TREAT
C-2P-1
FINISH
Gueldner 11-19-40 DRAFT
Eldred CHECK
Green STRUCT.
Truax J.F.R. MAT.
Klein 10-14 APPROV.
ENG.
OPP. HAND
NAME ARM-M.L.G.-WHEEL WELL DOOR-OPERATING MECHANISM
DWG. SIZE B
28L5114
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

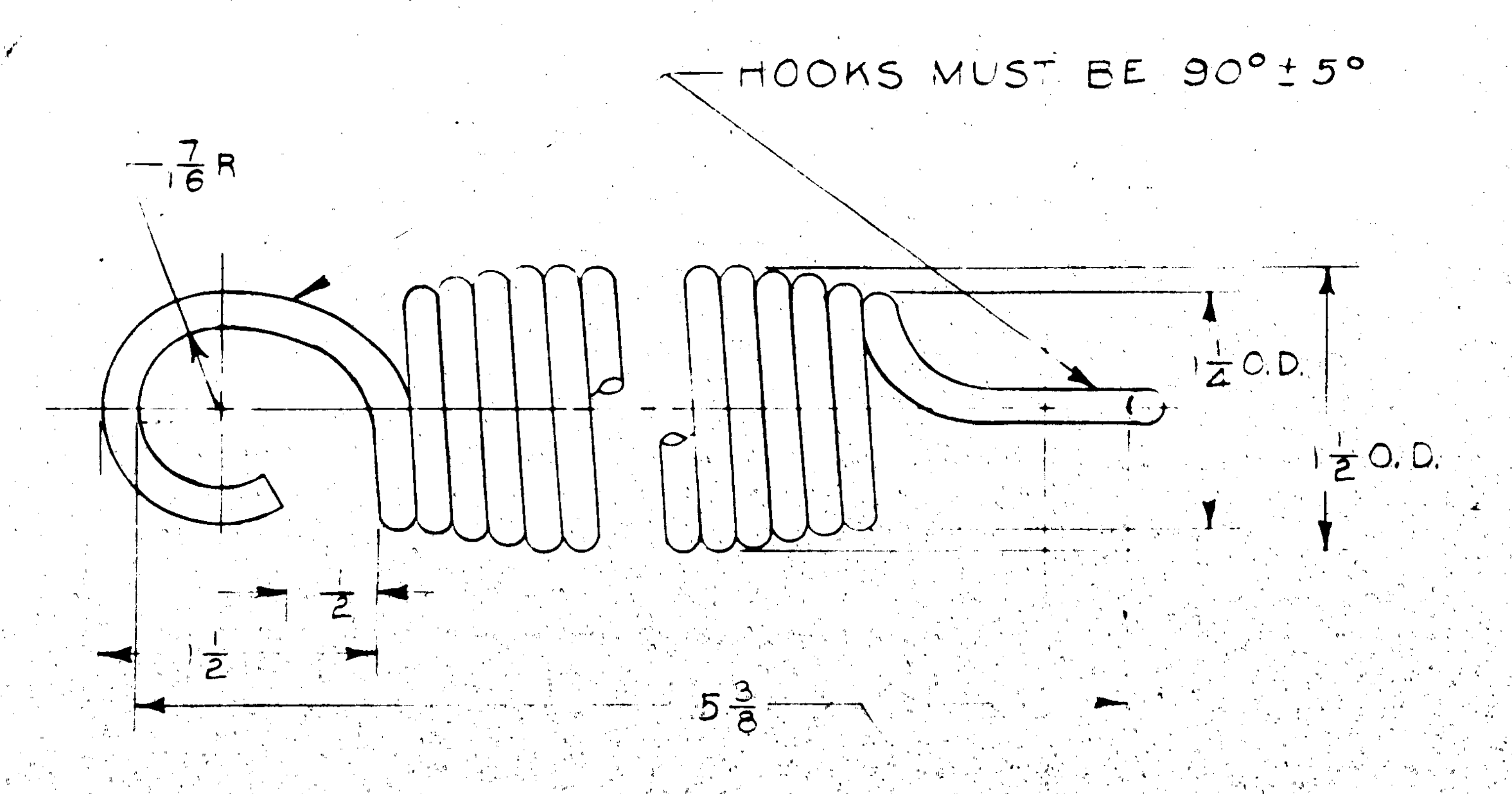

LET | ALTERATION | DATE | BY
A | ADDED SUB ASSEM'S. -8 & -9 | 12-14-40
B | CHG'D -7 FROM 11/16 O.D. X .065 X 1 TO 11/16 O.D. X .109 X 1 | 12-26-40
C | CHG'D AN316-7L TO AN316-7R | 5-9-41 | BRADY
D | Q600C14-27 IN -8 SUB-ASSY WAS IN GENERAL B/M. NO WT. CHANGE. | 7-13-43
E.O. 31549
E.O. 31504
REAM .5625 +.0005 -.001
Q600C14-27 BUSHING
PRESS IN WITH WET PRIMER
(A)
(-9) SUB ASSEM
11 7/8
TAP 7/16-20 NF-3
1 1/8
10 1/8
28L5071
AN481-1
(-7)
.417
.835±.005
AN316-7R
(-6)
(A)
(-8) SUB ASSEM.
GP GREEN PRIME
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
NOTE:
1. HEAT TREAT -6 & -7 AFTER WELDING.
2. FINISH MACHINING AFTER H.T.
3. NO PAINT ON THDS., IN HOLE, OR IN CLEVIS SLOT.
4. BREAK ALL SHARP EDGES.
28L5071 | 1
AN481-1 | 1
SUB ASSY-9
Q600C14-27 | 1
-7 | 11/16 O.D. x .109 x 1 | C.M. STL. TUBE | 44 T 18 | 1
-6 | 9/16 O.D. X .093 x 10 1/4 | C.M. STL. TUBE | 44 T 18 | 1
SUB ASSY-8
AN316-7R | 1
-9 | SUB ASSY | 1
-8 | SUB ASSY | 1
PART No. | STOCK | MATERIAL | SPEC. | REQ.
PARTS LIST PER ASSY.
-0 | -2 | -3 | -4 | -5
28-5 AMN | 28L5003 | 2
28-5AMC | 28L5003 | 2
PBY-5A | 28L5003 | 2
ASSY. DASH No. | MODEL | NEXT ASSY.
REQUIREMENTS PER AIRPLANE
REPLACES | .44 CALC. WT.
REPLACED BY | ACT. WT.
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
NAVY 150,000#/in
HEAT TREAT
C-2P-1
NO PAINT ON THDS.
FINISH
Qualdner | Eldred | Green | TRUAX | OWEN
11-19-40 | J.F.R. Kerr
DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG
OPP. HAND
NAME LINK-M.L.G.-WHEEL WELL DOOR-OPERATING MECHANISM
B 28L5115
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
28L5115



LET | ALTERATION | DATE | BY
A | CHG'D. MAT'L. TO 46S18, GR.7E FOR FUTURES & FUTURE SPARES | 5-23-41
B | CHG'D. 46S18, GR.7E, TO 46S26(INT) GR.1A | 8-21-41
C | ADDED NOTE: "STAINLESS -- STEEL" (NEG. WT. CHG) | 9-10-42
FORG. NOT AFF.
FORGING NO. HERE
28L5118
40° TRUE
1 DIA.
FORG. NOTES-
1. ALL CORNER RADII 1/16 EXCEPT AS NOTED.
2. ALL FILLET RADII 1/4 EXCEPT AS NOTED
3. ALL DRAFT ANGLES 7°
4. FORGING TOLER. +1/32 -.000
5. SHIFT TOLER ± 1/64
6. ANNEAL BY VENDOR.
7. FORGING TO BE STRAIGHT AND FLAT.
(A) MATERIAL NOTE:
MAT'L. IS M-286 FOR PBY-5A, 28-5AMC,
MAT'L. TO BE 46S26(INT), GR.1A FOR FUTURES & FUTURE SPARES. (B)
(C) STAINLESS STEEL TYPE 430, OR 431 MAY BE USED AS ALTERNATE FOR 18.8 STAINLESS STEEL.
28-5AMN | 28L5119 | 2
28-5AMC | 28L5119 | 2
PBY-5A | 28L5119 | 2
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES | .85 CALC. WT.
REPLACED BY | ACT. WT.
LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± NOTED | SCALE 12" = 1'-0
STAMP PART NUMBER WHERE SHOWN
-6 | ST'L FORGING | (SEE NOTE) STAINLESS ST'L | NOTED
PART No. | STOCK | MATERIAL | (A) SPEC. | LH RH REQ. -0 | -2 | -3 | -4 | -5
PARTS LIST PER ASSY.
AC
NAVY NOTED | NONE | 11/29/40 | Eldred | 12/5
HEAT TREAT | FINISH | DRAFT | CHECK | STRUCT. | MAT. | APPROV.
T.G.P. | Green | J.F.R.
NAME UPLATCH-FORGING-MAIN LANDING GEAR
OPP. HAND
DWG. SIZE B 28L5118
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

LET	ALTERATION	DATE	BY
F	TRACED NO WT. CHG.	10-22-43	MURRAY

28L5122



NOTES:

1. LOAD IN SPRING TO BE 190# ±10% AT EXTENDED LENGTH OF 6 3/4.
2. ALLOWABLE WORKING STRESS NOT TO BE OVER 100,000 PSI
3. INITIAL TENSION TO BE 30# APPROX.
4. MATERIAL NOTE: CARBON SPRING STEEL WIRE~SPEC. AN-QQ-W-441 OR CHROME-VANADIUM ROD S.A.E. 6150~ SPEC. AN-QQ-S-687 OR S.A.E. 1065 ROD.
5. MIN. INSIDE BEND RADIUS $\frac{3}{8}$

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE

PURCHASE TO DWG.

ASSY. DASH. No	MODEL	NEXT ASSY.	REQ
	PBY-5A	28L5004	2
	28-5AMN	28L5004	2
	28-5AMC	28L5004	2

REQUIREMENTS PER AIRPLANE

REPLACES 28L5122 8-11-41 CALC. WT.

REPLACED BY ACT. WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± COMM. SCALE 2"=1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 LH	-0 RH	-2 LH	-2 RH	-3 LH	-3 RH	-4 LH	-4 RH	-5 LH	-5 RH
	NOTED	NOTED	NOTED										

PARTS LIST PER ASSY.

AC.		BRADY	ELDRED	GERBER	M.E.G.		J.W.L.
NAVY SPRING TEMPER	C & BAKE	8-11-41					
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT	APPROV.	ENG.

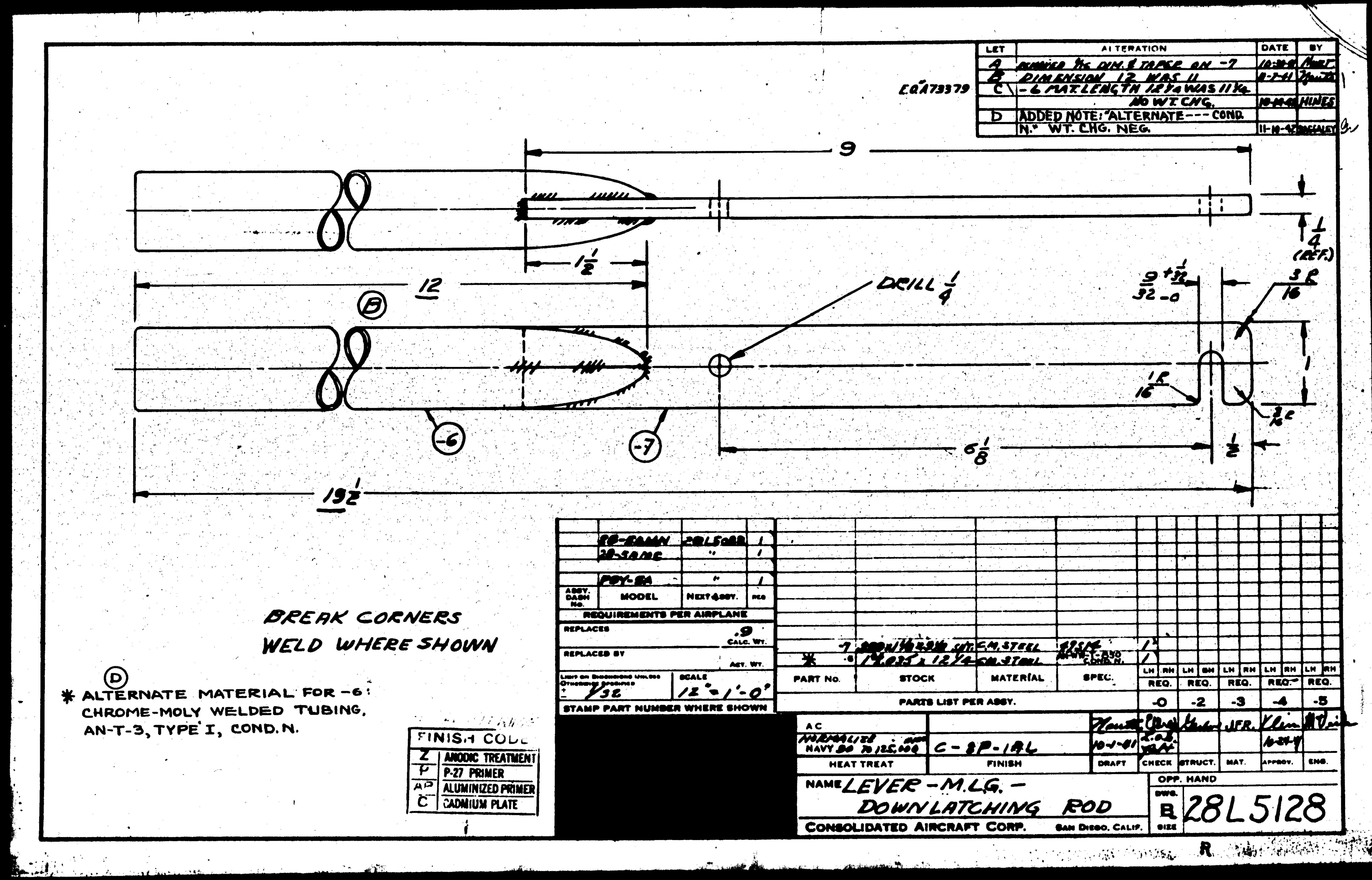
NAME SPRING-N.L.G.-DOWN LOCK-LATCH

OPP. HAND

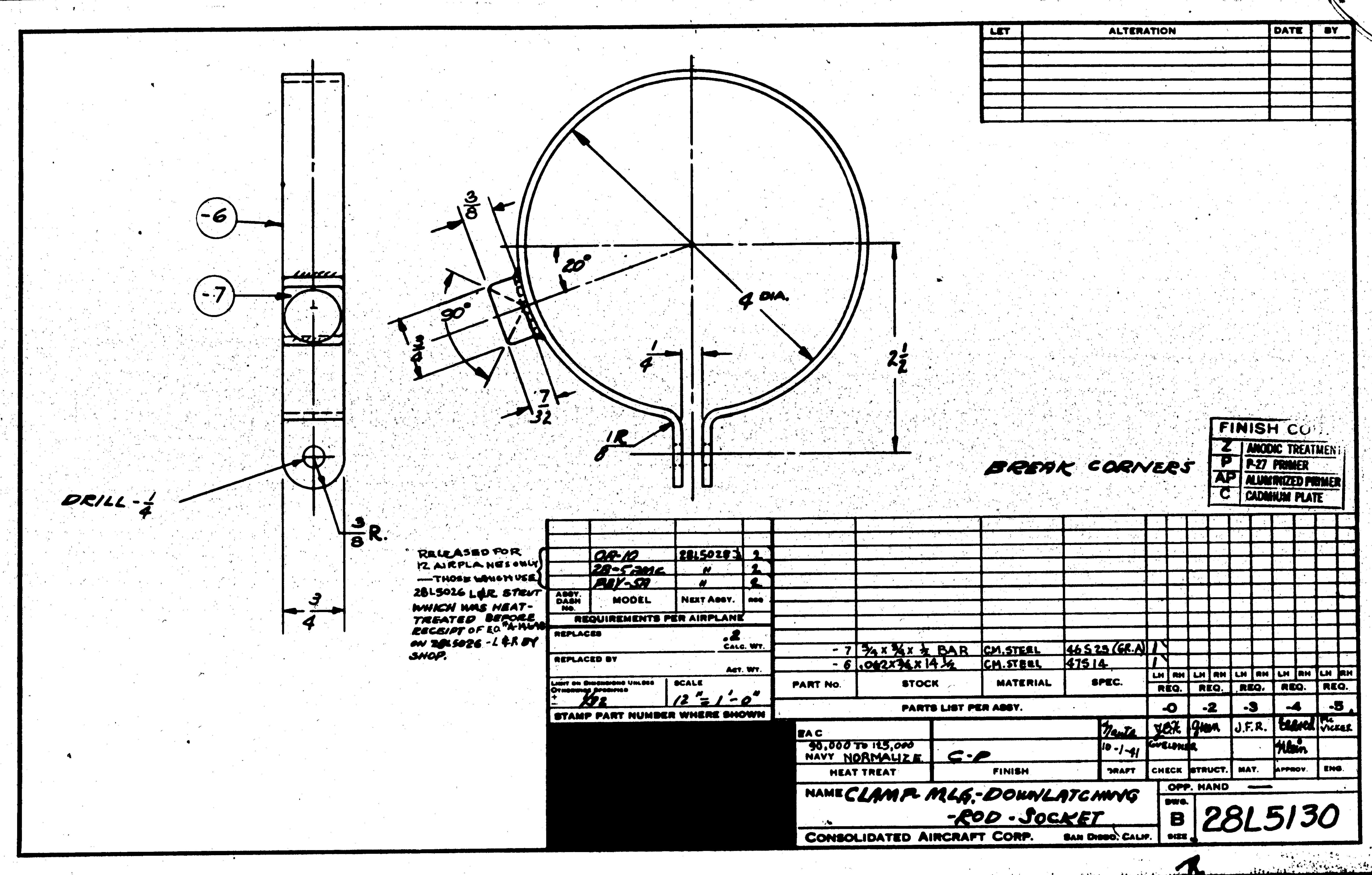
DWG. SIZE B 28L5122

CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.

R

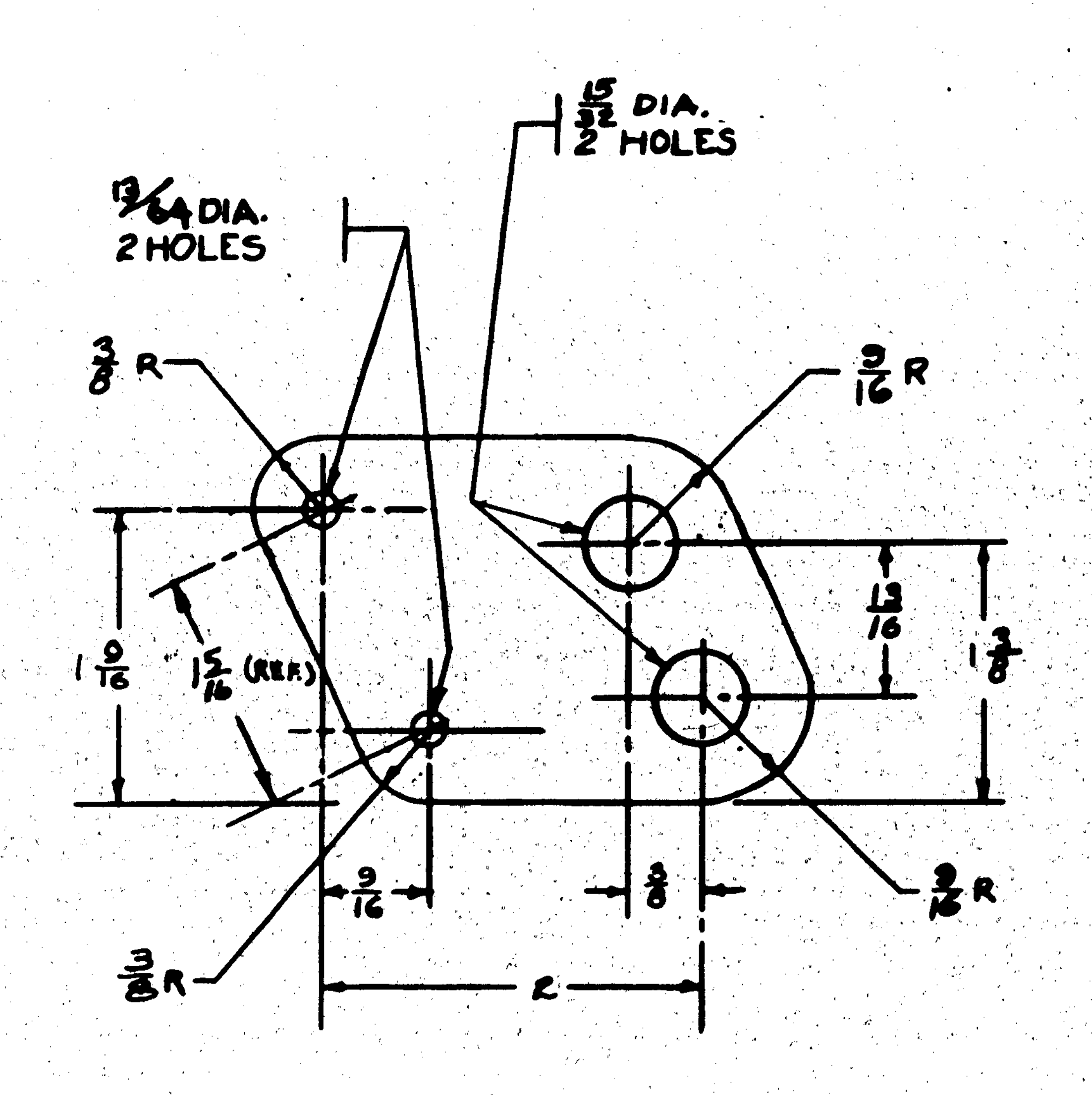


LET
ALTERATION
DATE
BY
A
B DIMENSION 12 WAS 11
C -6 MAT. LENGTH 12 1/4 WAS 11 3/4
NO WT. CHG.
D ADDED NOTE: "ALTERNATE --- COND. N." WT. CHG. NEG.
HINES
EO A73379
9
1/4 (REF.)
1 1/2
12
B
DRILL 1/4
9/32 +1/32 -0
3/16 R
1
1/16 R
3/16 R
-6
-7
6 1/8
1/2
19 1/2
BREAK CORNERS
WELD WHERE SHOWN
D
* ALTERNATE MATERIAL FOR -6:
CHROME-MOLY WELDED TUBING,
AN-T-3, TYPE I, COND. N.
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.9
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
12" = 1'-0"
± 1/32
STAMP PART NUMBER WHERE SHOWN
-7
-6
CM. STEEL
CM. STEEL
1
1
PART No.
STOCK
MATERIAL
SPEC.
LH RH
REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
AC
NORMALIZE
HEAT TREAT
C-SP-1AL
FINISH
10-1-41
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
OPP. HAND
NAME LEVER - M.L.G. - DOWNLATCHING ROD
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
DWG. SIZE
B
28L5128
R


LET
ALTERATION
DATE
BY
-6
-7
DRILL - 1/4
3/8 R.
3/4
3/8
20°
90°
3/4
7/32
4 DIA.
1/4
2 1/2
1/8 R
BREAK CORNERS
FINISH CO
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
RELEASED FOR 12 AIRPLANES ONLY —THOSE WHICH USE 28L5026 L&R STRUT WHICH WAS HEAT-TREATED BEFORE RECEIPT OF E.O. "A-M" ON 28L5026 - L&R BY SHOP.
OA-10 28L5028 2
28-5 ACMC " 2
PBY-5A " 2
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
.2 CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
- 7 3/4 x 3/4 x 1/2 BAR CM. STEEL 46S23 (GR. A) 1
- 6 .062 x 3/4 x 14 1/2 CM. STEEL 47S14 1
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
-0 -2 -3 -4 -5
PARTS LIST PER ASSY.
EAC
90,000 TO 125,000
NAVY NORMALIZE
C-P
HEAT TREAT
FINISH
10-1-41
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
J.F.R.
VICKER
OPP. HAND —
NAME CLAMP - MLG. - DOWNLATCHING - ROD - SOCKET
DWG. SIZE B
28L5130
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

INCORP BUR AIR CHANGE #35 - MODEL PBY-5A

LET	ALTERATION	DATE	BY



FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	28-5AMN	28L5004	1
	28-5AMC	28L5004	1
	PBY-5A	28L5004	1

REQUIREMENTS PER AIRPLANE

REPLACES — .2# CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010 — SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
	.125X2 1/8X2 7/8	CM.STL SH'T	47S14	1				

PARTS LIST PER ASSY.

HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.
AC NORMALIZE NAVY 90,000 TO 125,000 PSI	C-P-2AP	BRADY 1-30-42	J.B.H. ELDRED	Green	R.H.E.	2/4/42	MC VICKER

NAME: SUPPORT-N.L.G.-LUBRICATOR FITTING

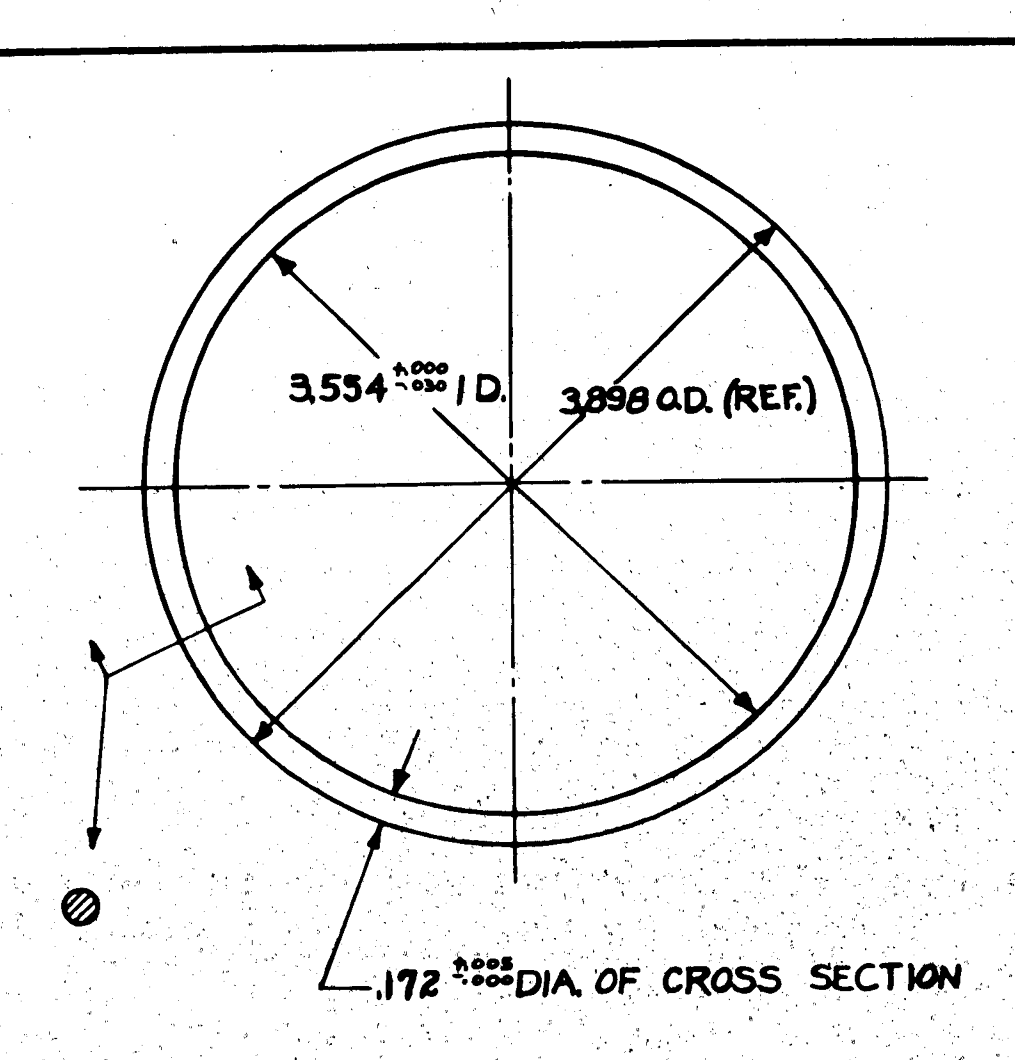
OPP. HAND

DWG. SIZE: B — 28L5136

R

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

LET	ALTERATION	DATE	BY



PURCHASE TO DWG.

NOTES :
1. MATERIAL "HY-CAR" SYNTHETIC RUBBER SHORE HARDNESS 60-70 OR AMPERIPOL M2284 SHORE HARDNESS 60-70
2. RING MUST BE SMOOTH & FREE OF SPRUES & INDENTATIONS.
3. RINGS MAY BE PURCHASED FROM KIRKHILL RUBBER CO., LOS ANGLES OR MILLER RUBBER CO., AKRON, OHIO.

88476 (53¢ ON)

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	28-5AMN	28L5002	1
	PBY-5A	28L5002	1

REQUIREMENTS PER AIRPLANE

REPLACES	.092 CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± NOTED	SCALE 12"=1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	LH REQ. -0	RH REQ. -0	LH REQ. -2	RH REQ. -2	LH REQ. -3	RH REQ. -3	LH REQ. -4	RH REQ. -4	LH REQ. -5	RH REQ. -5
	NOTED												

PARTS LIST PER ASSY.

		DRAFT	CHECK	STRUCT.	MAT.	APPROV	ENG.
AC		BRADY	ELDRED		CASSIE	RATH	ZUCK
NAVY NONE	NONE	2-6-42			M.E.C.		MC VICKER
HEAT TREAT	FINISH						

NAME SEAL - N.L.G. - TORQUE TUBE - DOUGHNUT RING

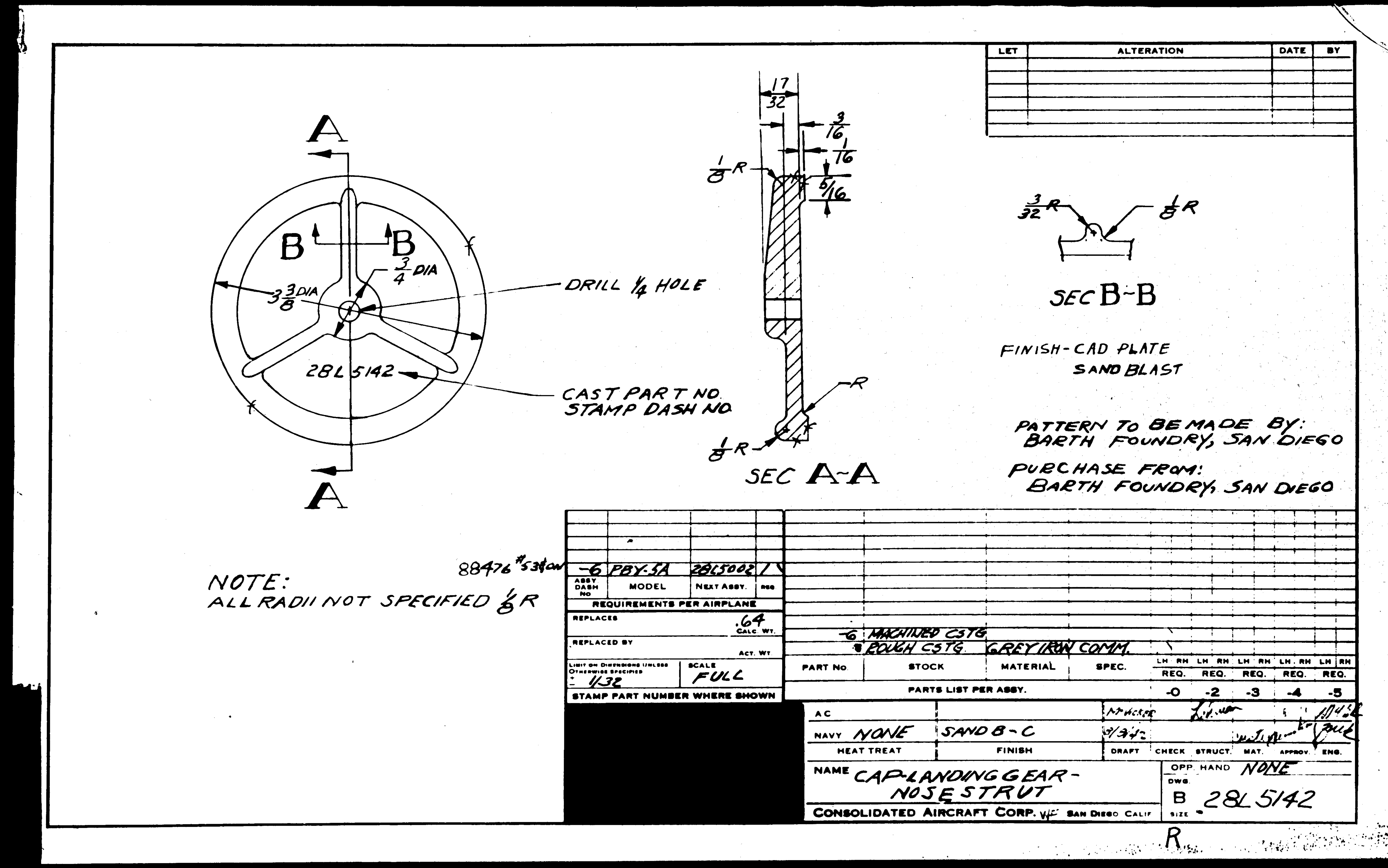
OPP. HAND

DWG. SIZE B

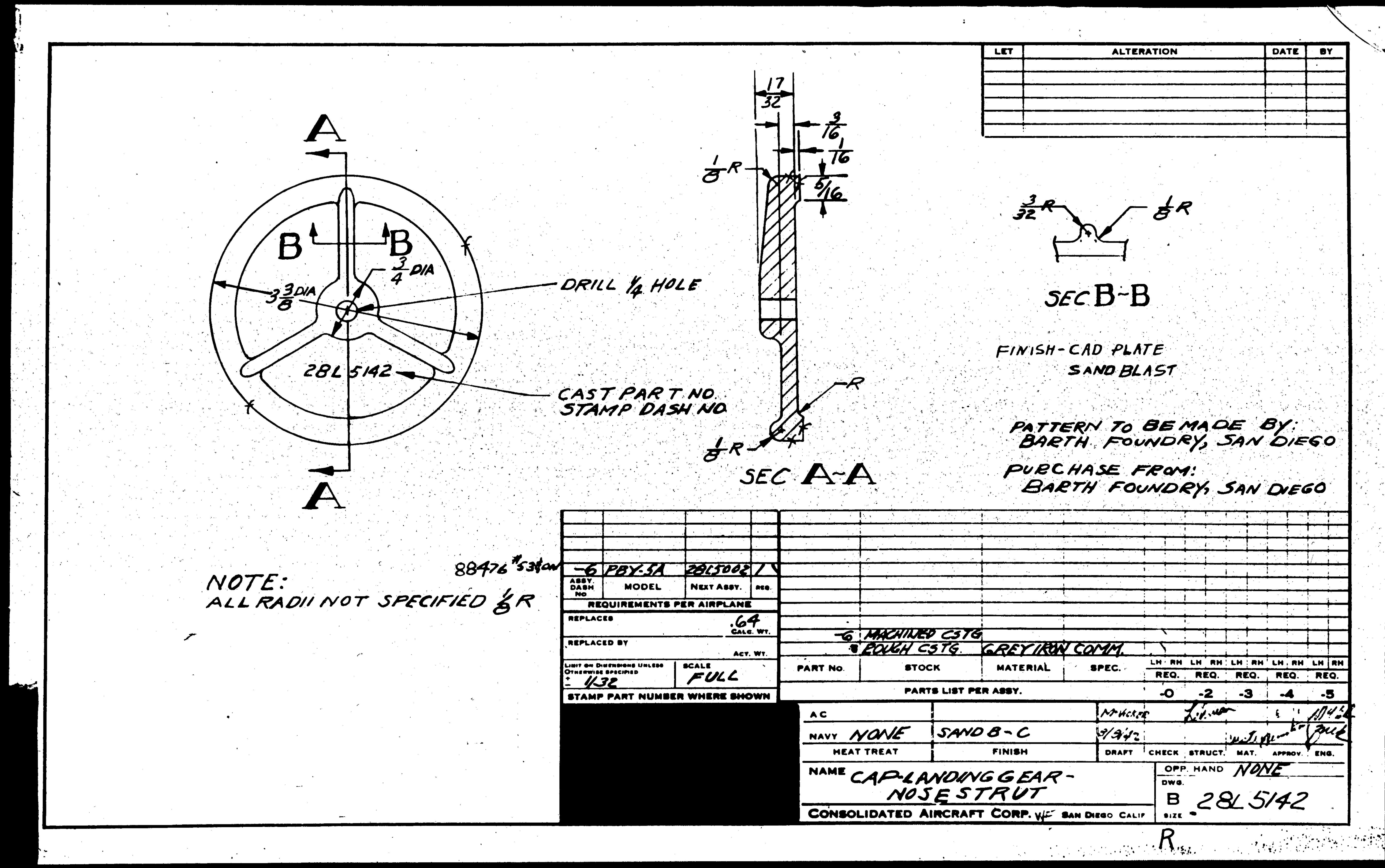
28L5138

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

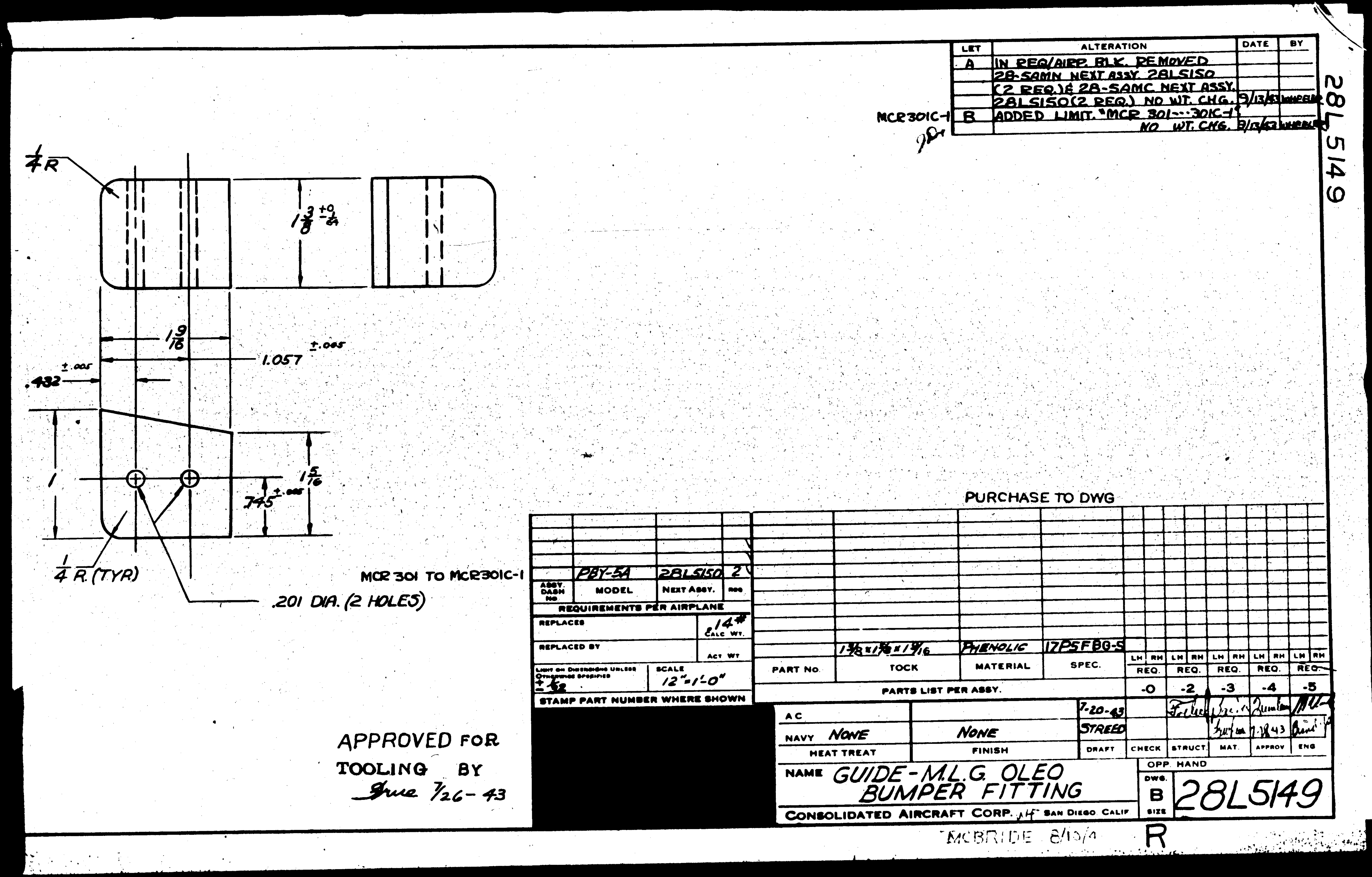
R



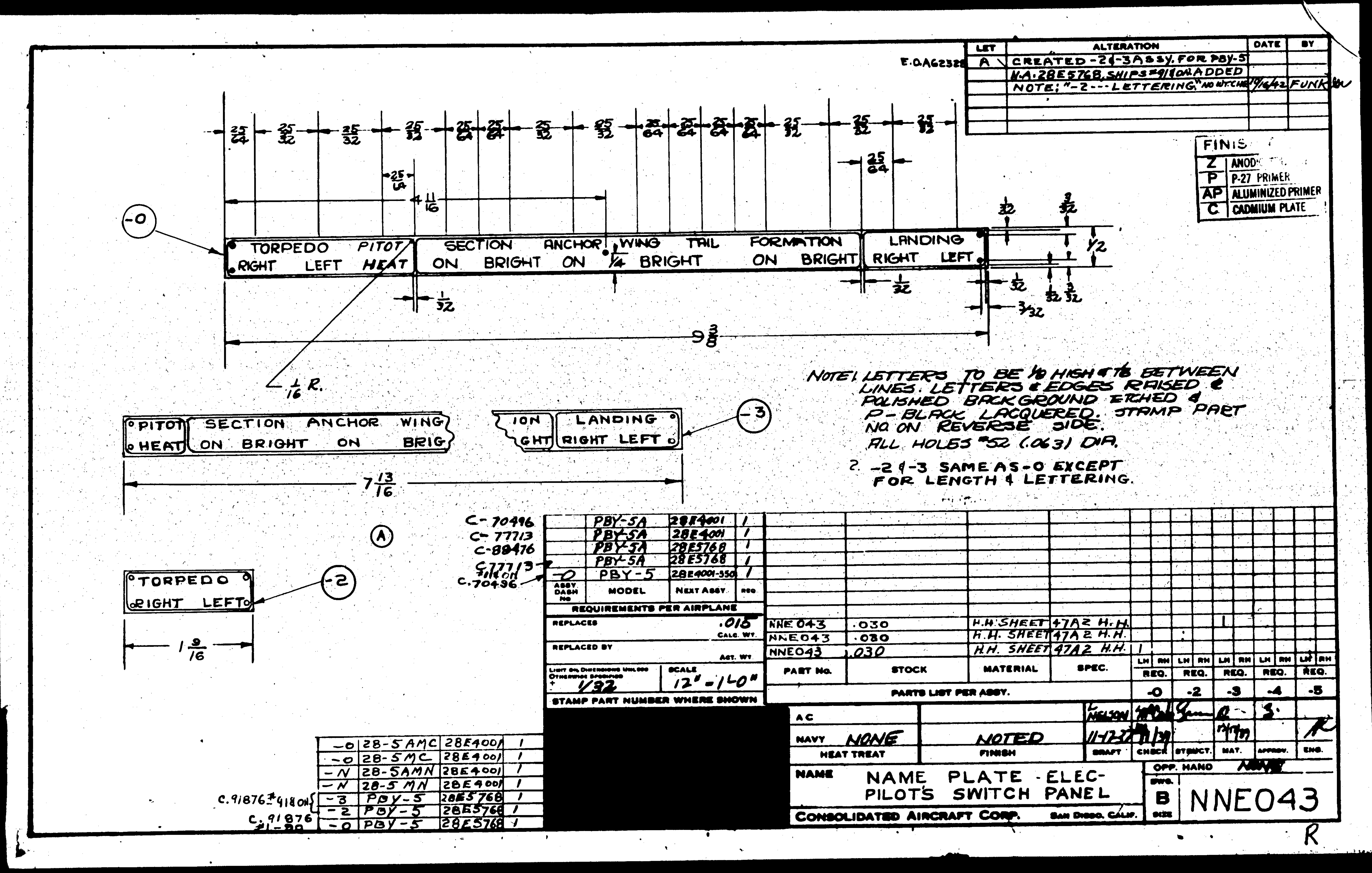
LET
ALTERATION
DATE
BY
A
B
B
3/4 DIA
3 3/8 DIA
DRILL 1/4 HOLE
28L5142
CAST PART NO
STAMP DASH NO
A
17/32
3/16
1/16
5/16
1/8 R
R
1/8 R
SEC A-A
3/32 R
1/8 R
SEC B-B
FINISH - CAD PLATE
SAND BLAST
PATTERN TO BE MADE BY:
BARTH FOUNDRY, SAN DIEGO
PURCHASE FROM:
BARTH FOUNDRY, SAN DIEGO
NOTE:
ALL RADII NOT SPECIFIED 1/8 R
88476
-6 PBY-5A 28L5002 1
ASSY DASH NO
MODEL
NEXT ASSY.
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
.64
CALC. WT.
REPLACED BY
ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/32
SCALE
FULL
STAMP PART NUMBER WHERE SHOWN
-6 MACHINED CSTG
ROUGH CSTG. GREY IRON COMM.
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
AC
NAVY NONE
SAND B-C
HEAT TREAT
FINISH
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NAME CAP-LANDING GEAR-
NOSE STRUT
OPP. HAND NONE
DWG.
B 28L5142
SIZE
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF
R



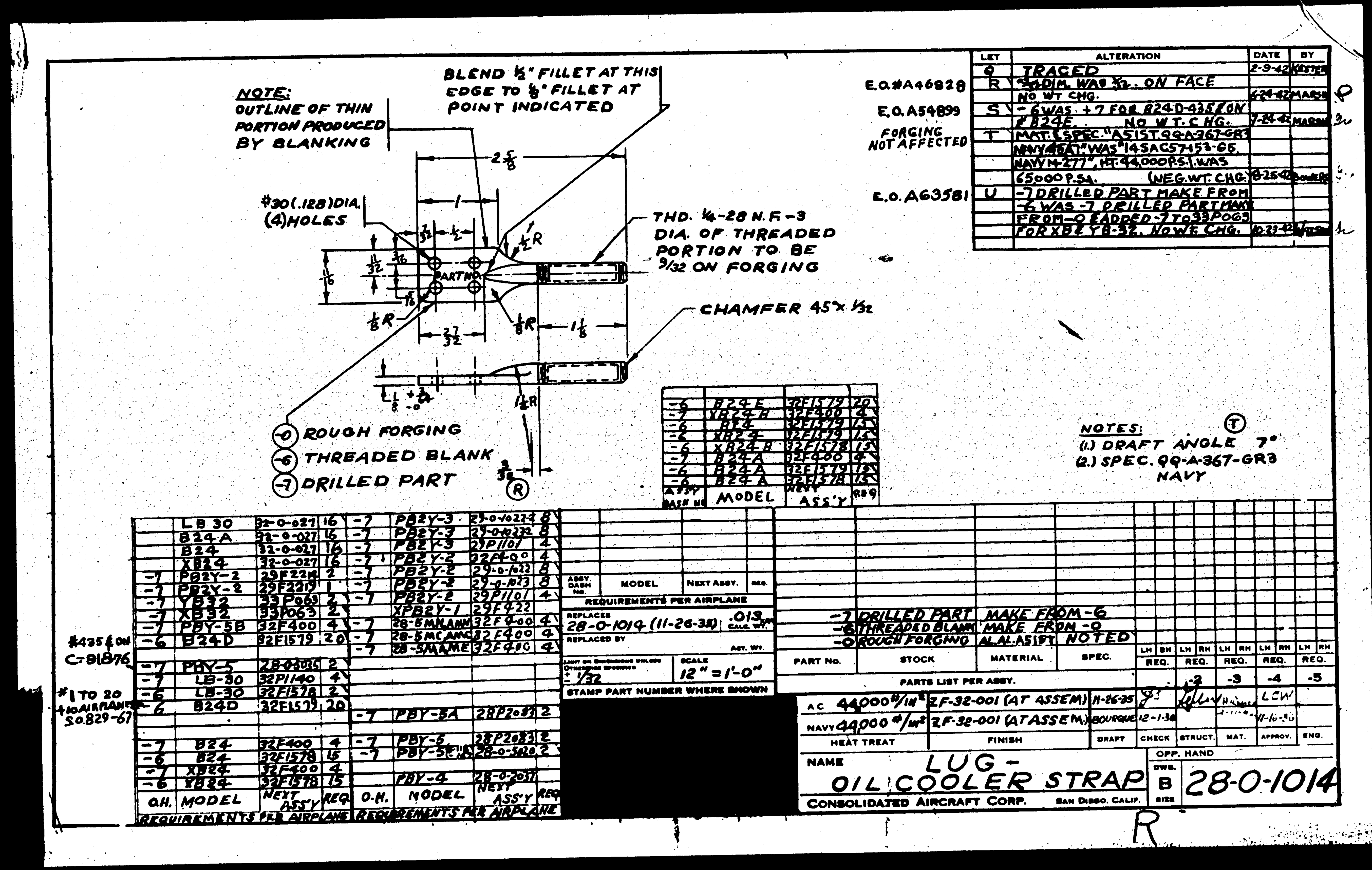
LET
ALTERATION
DATE
BY
A
B
B
3/4 DIA
3 3/8 DIA
DRILL 1/4 HOLE
28L5142
CAST PART NO.
STAMP DASH NO.
A
17/32
3/16
1/16
1/8 R
5/16
R
1/8 R
SEC A-A
3/32 R
1/8 R
SEC B-B
FINISH-CAD PLATE
SAND BLAST
PATTERN TO BE MADE BY:
BARTH FOUNDRY, SAN DIEGO
PURCHASE FROM:
BARTH FOUNDRY, SAN DIEGO
NOTE:
ALL RADII NOT SPECIFIED 1/8 R
88476 #53 ON
-6 PBY-5A 28L5002 1
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.64
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/32
SCALE
FULL
STAMP PART NUMBER WHERE SHOWN
-6 MACHINED CSTG
-8 ROUGH CSTG. GREY IRON COMM.
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
AC
NAVY NONE
SAND B-C
HEAT TREAT
FINISH
9/3/42
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NAME CAP-LANDING GEAR-NOSE STRUT
OPP. HAND NONE
DWG.
B 28L5142
SIZE
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF
R

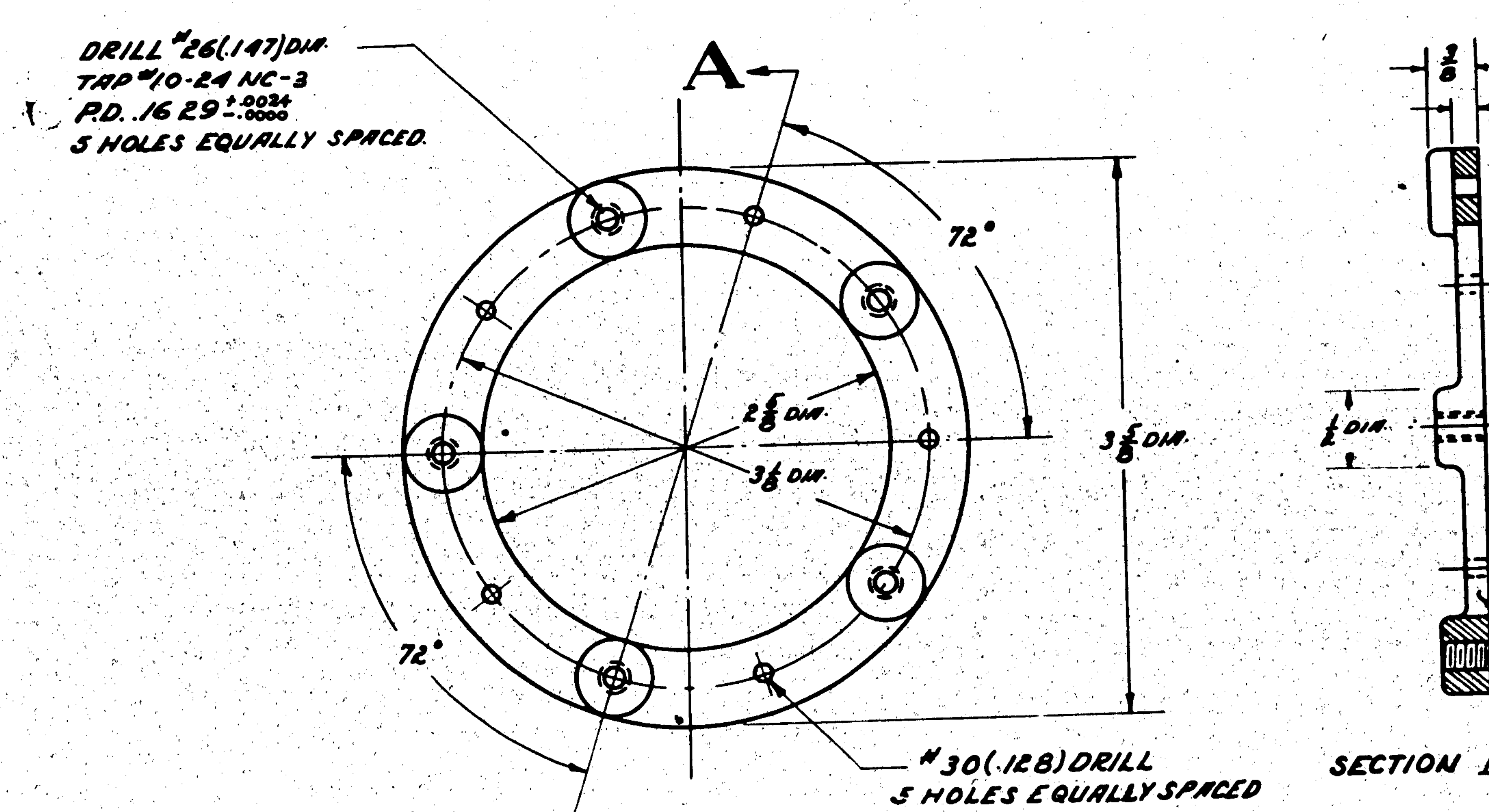


LET
ALTERATION
DATE
BY
A
IN REQ/AIRP. BLK. REMOVED
28-SAMN NEXT ASSY. 28LS150
(2 REQ.) & 28-SAMC NEXT ASSY.
28LS150 (2 REQ.) NO WT. CHG.
MCR301C-1
B
ADDED LIMIT "MCR 301---301C-1"
NO WT. CHG.
28L5149
1/4 R
1 3/8 +0 -1/64
1 9/16
1.057 ±.005
.432 ±.005
1
1 5/16
.745 ±.005
1/4 R. (TYP)
.201 DIA. (2 HOLES)
MCR 301 TO MCR301C-1
PURCHASE TO DWG
PBY-5A
28LS150
2
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.14#
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/32
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
1 3/8 x 1 5/8 x 1 9/16
PHENOLIC
17PSFBG-S
PART NO.
STOCK
MATERIAL
SPEC.
LH
RH
REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
7-20-43
STREED
AC
NAVY
NONE
NONE
HEAT TREAT
FINISH
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
7-28-43
APPROVED FOR
TOOLING BY
7/26-43
OPP. HAND
NAME
GUIDE - M.L.G. OLEO
BUMPER FITTING
DWG.
B
SIZE
28L5149
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO CALIF
MCBRIDE 8/10/4
R



E.O.A62328
LET
ALTERATION
DATE
BY
A
CREATED -2 & -3 ASSY. FOR PBY-5
N.A. 28E5768, SHIPS #918 ON ADDED
NOTE: "-2---LETTERING" NO WT. CHG.
10/16/42
FUNK
FINISH
Z
P
P-27 PRIMER
AP
ALUMINIZED PRIMER
C
CADMIUM PLATE
-0
TORPEDO
PITOT
RIGHT
LEFT
HEAT
SECTION
ANCHOR
WING
TAIL
FORMATION
ON
BRIGHT
LANDING
9 3/8
4 11/16
1/16 R.
NOTE: 1. LETTERS TO BE 1/8 HIGH & 1/16 BETWEEN LINES. LETTERS & EDGES RAISED & POLISHED BACKGROUND ETCHED & P-BLACK LACQUERED. STAMP PART NO. ON REVERSE SIDE.
ALL HOLES #52 (.063) DIA.
2. -2 & -3 SAME AS -0 EXCEPT FOR LENGTH & LETTERING.
-3
7 13/16
A
-2
1 9/16
C-70496
C-77713
C-88476
C-77713
C.70496
PBY-5A
28E4001
PBY-5A
28E4001
PBY-5A
28E5768
PBY-5A
28E5768
-0
PBY-5
28E4001-550
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.015
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
12" = 1'-0"
1/32
STAMP PART NUMBER WHERE SHOWN
NNE043
.030
H.H. SHEET
47A2 H.H.
NNE043
.030
H.H. SHEET
47A2 H.H.
NNE043
.030
H.H. SHEET
47A2 H.H.
PART No.
STOCK
MATERIAL
SPEC.
PARTS LIST PER ASSY.
LH RH REQ.
-0
-2
-3
-4
-5
-0
28-5AMC
28E4001
-0
28-5MC
28E4001
-N
28-5AMN
28E4001
-N
28-5MN
28E4001
-3
PBY-5
28E5768
-2
PBY-5
28E5768
-0
PBY-5
28E5768
C.91876 #918 ON
C.91876
A C
NAVY
NONE
HEAT TREAT
NOTED
FINISH
NELSON
11-12-37
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
OPP. HAND
NONE
NAME
NAME PLATE - ELEC-
PILOT'S SWITCH PANEL
DWG.
B
SIZE
NNE043
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
R


NOTE:
OUTLINE OF THIN PORTION PRODUCED BY BLANKING
BLEND 1/2" FILLET AT THIS EDGE TO 1/8" FILLET AT POINT INDICATED
#30 (.128) DIA. (4) HOLES
THD. 1/4-28 N.F.-3
DIA. OF THREADED PORTION TO BE 9/32 ON FORGING
CHAMFER 45° x 1/32
PART NO.
2 5/8
1 1/8
27/32
1/8 R
1 1/2 R
-0 ROUGH FORGING
-6 THREADED BLANK
-7 DRILLED PART
E.O.#A46828
E.O. A54899
FORGING NOT AFFECTED
E.O. A63581
LET
ALTERATION
DATE
BY
Q TRACED 2-9-42
R DIM. WAS 3/32 ON FACE NO WT CHG.
S -6 WAS -7 FOR B24D-435 & ON & B24E. NO WT. CHG.
T MAT. & SPEC. "A51ST QQ-A-367-GR3 NAVY 46A1" WAS "14SAC57153-65, NAVY M-277", HT. 44,000 P.S.I. WAS 65000 P.S.I. (NEG. WT. CHG.)
U -7 DRILLED PART MAKE FROM -6 WAS -7 DRILLED PART MAKE FROM -0 & ADDED -7 TO 33P063 FOR XB32 & YB-32. NO WT. CHG.
NOTES:
(1.) DRAFT ANGLE 7°
(2.) SPEC. QQ-A-367-GR3 NAVY
ASSY DASH NO.
MODEL
NEXT ASS'Y
REQ
O.H.
REQUIREMENTS PER AIRPLANE
#435 & ON
C-91876
#1 TO 20 +10 AIRPLANES S.O. 829-67
REPLACES 28-0-1014 (11-26-35)
.013 CALC. WT.
REPLACED BY
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
-7 DRILLED PART MAKE FROM -6
-6 THREADED BLANK MAKE FROM -0
-0 ROUGH FORGING AL.AL. A51ST NOTED
PART No.
STOCK
MATERIAL
SPEC.
PARTS LIST PER ASSY.
AC 44000 #/in² ZF-32-001 (AT ASSEM) 11-26-35
NAVY 44000 #/in² ZF-32-001 (AT ASSEM) BOURQUE 12-1-36
HEAT TREAT
FINISH
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
OPP. HAND
NAME LUG - OIL COOLER STRAP
DWG. B SIZE
28-0-1014
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R



NOTE:-
ALL RADII NOT NOTED TO BE $\frac{1}{16}$

SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
A	TRACED	2-9-37	
B	B24 & XB24 REQ'MNTS ADDED	5-11-39	L.B.L.
C	B-24 & XB24 REQ. REMOVED	7/25/39	ELZ
D	PB2Y-2 REQ'S ADDED	11-9-39	

FINISH CODE

[redacted]

O.H.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS	REQ. LH	REQ. RH	PART NO.	REQ. LH	REQ. RH
	XB24, B24	32W010	2						
	PB2Y-2	29-0-1003	4						
	XPB2Y-1	28-0-2003							
	PBY-4	28-0-2008							
	PBY-3	28-0-2003							
	PBY-2	280-2003							
	PB2Y-3	29-0-3003	4						
	PBY-1	28-0-1003							
	PBY-5A	28-0-2003	2						
	PBY-5B	28-0-3003	2						

REQUIREMENTS PER AIRPLANE — MAT. — PARTS LIST PER ASSY.

REPLACES	
REPLACED BY	
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	± .010
APPROVED	BLOU 2-28-36 (DATE)
CALC. WT.	.11
ACT. WT.	
SCALE	12" = 1'-0"

[redacted]

	MATERIAL	SPEC.	HEAT TREAT	FINISH
AC	ALUM. ALLOY ALCOA 25S T4	11308-A	26000# T.S.	
NAVY	ALUM. ALLOY ALCOA 25S T4	46 AlCl3	NAF SA 8M	Z–

DRAFT	CHECK	EXAM.	ENG.
HOOVER		GREEN	
2-25-36	2-10-37	3-8-36	

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN

NAME: FLANGE
OILTANK GAGE TAPPING

OPP. HAND

DWG. B 2801017

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
B	TRACED	12-4-36	LDM
C	B24 & XB24 REQMNTS ADDED	5-11-39	J.RL.
D	XB24 & B-24 REQ. REMOVED FOR ACC 32 6004	7/25/39	ELZ
E	PB2Y-2 REQS ADDED	10-9-9	[illegible]

O.H.	MODEL	NEXT ASSY.	REQ.
	PBY-5A & B	28-0-3039	2 EA
	PBY-5	29-0-3004	4
	B24A	32-0-004	4
	B24	32-0-004	4
	XB24	32-0-004	4
	PB2Y-2	29-0-1004	4
	XPB2Y-1	28-0-2003	
	PBY-4	28-0-2003	
	PBY-3	28-0-2003	
	PBY-2	28-0-2003	
	XPBY-1	28-0-1003	
	PBY-1	28-0-1003	

REQUIREMENTS PER AIRPLANE

ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.

PARTS LIST PER ASSY.

REPLACES

REPLACED BY

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64

APPROVED LEW DATE 12-4-36

CALC. WT. .006 ACT. WT.

SCALE 12" = 1'-0"

	MATERIAL	SPEC.	HEAT TREAT	FINISH
AC	VELLUMOID	COMM'L	NONE	NONE
NAVY	VELLUMOID	COMM'L	NONE	NONE

DRAFT	CHECK	EXAM.	ENG.
HOOVER	[illegible]	GREEK	
2-26-36	12-5-36	3-5-36	

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.

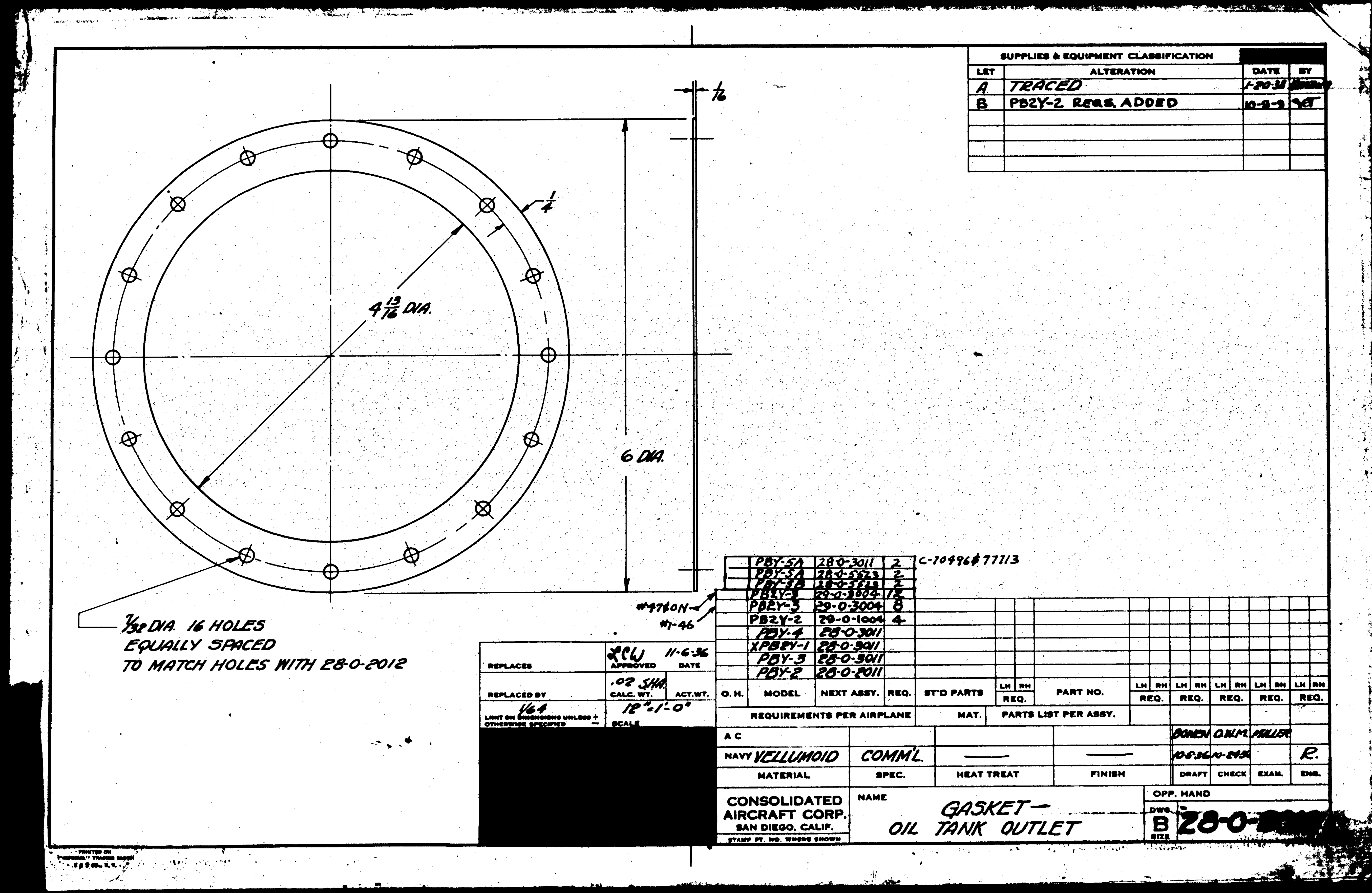
STAMP P.L. No. WHERE SHOWN

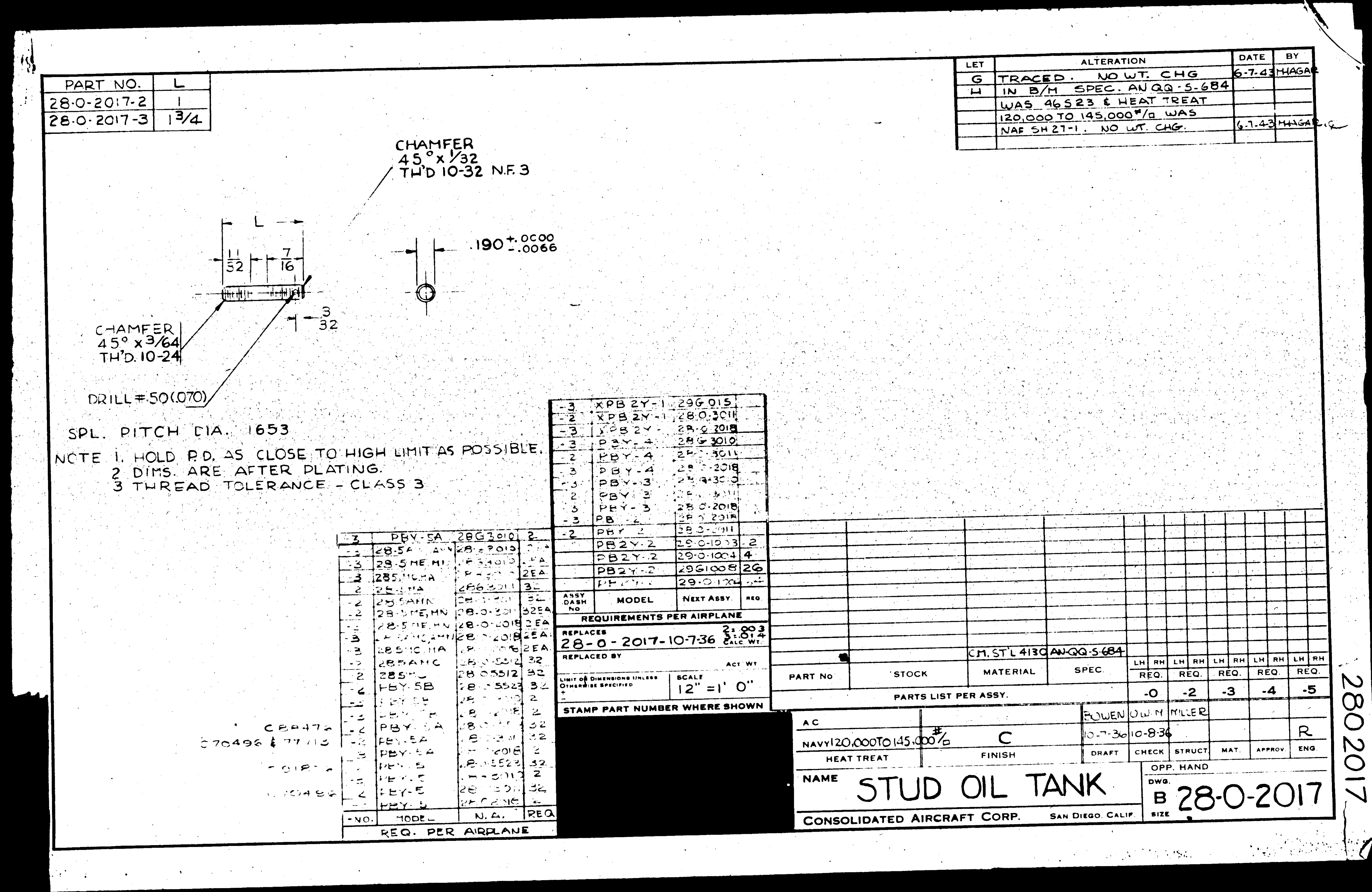
NAME GASKET OIL TANK GAGE FLANGE

OPP. HAND

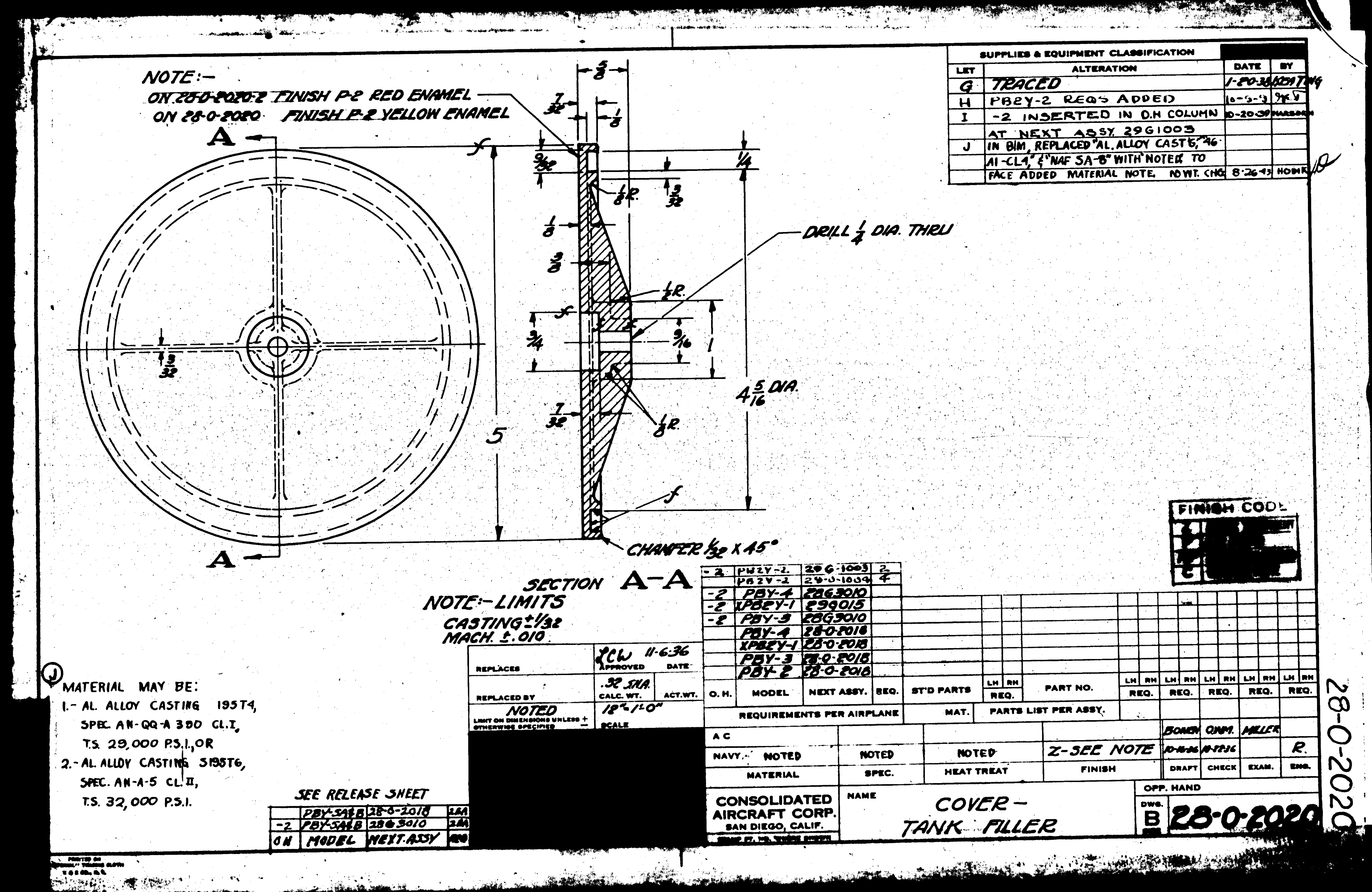
DWG. B 28-0-1018

SULLIVAN-McKEEGAN CO. INC. BUFFALO
IMPERIAL TRACING CLOTH

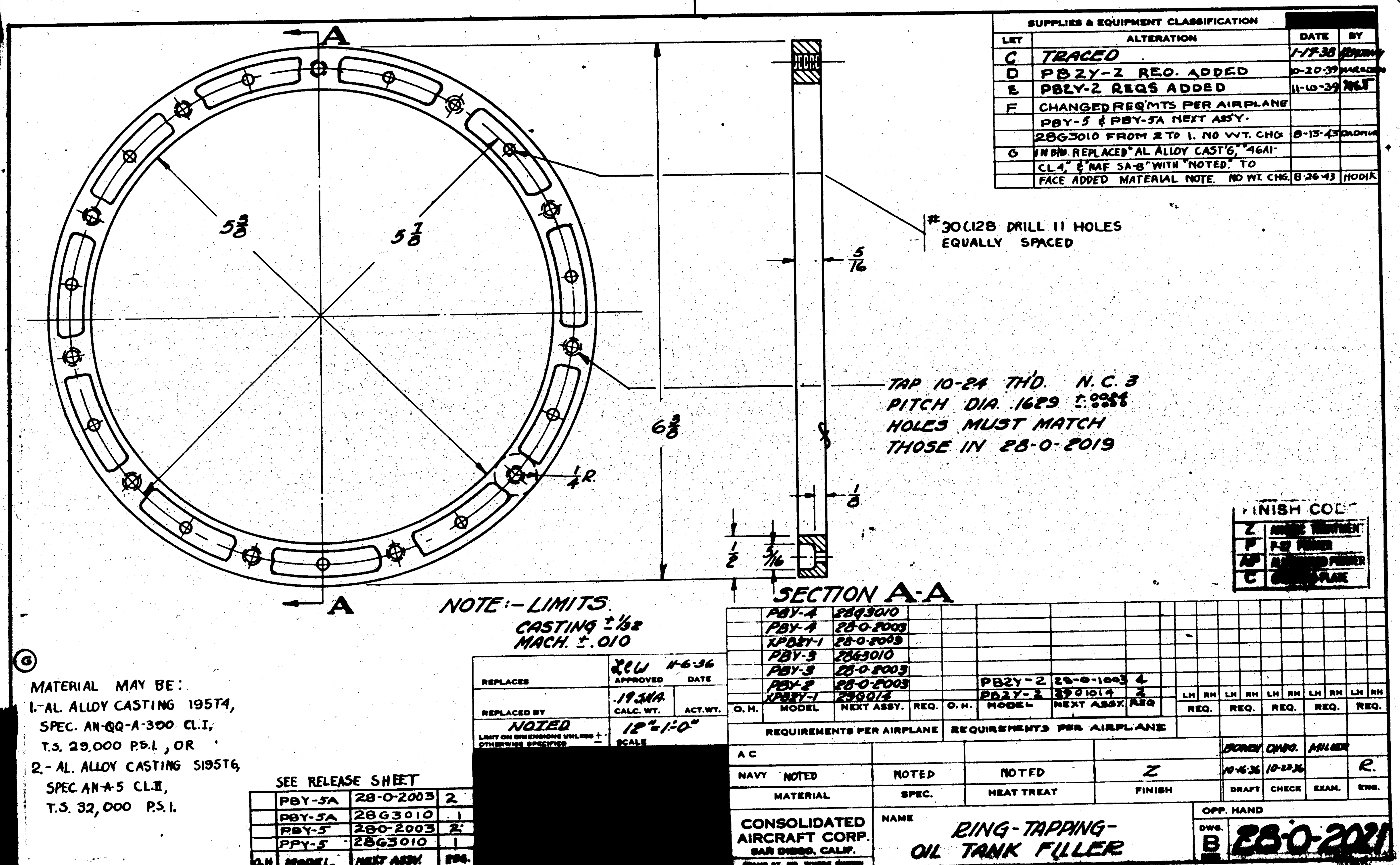

SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED | 1-20-38
B | PB2Y-2 REQS. ADDED | 10-9-9
1/16
1/4
4 13/16 DIA.
6 DIA.
1/32 DIA. 16 HOLES
EQUALLY SPACED
TO MATCH HOLES WITH 28-0-2012
#47 ON
#1-46
C-10496 & 77713
PBY-5A | 28-0-3011 | 2
PBY-5A | 28-0-5623 | 2
PBY-5B | 28-0-5623 | 2
PB2Y-3 | 29-0-3004 | 12
PB2Y-3 | 29-0-3004 | 8
PB2Y-2 | 29-0-1004 | 4
PBY-4 | 28-0-3011
XPB2Y-1 | 28-0-3011
PBY-3 | 28-0-3011
PBY-2 | 28-0-2011
O. H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH | RH | REQ. | PART NO. | LH | RH | REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES | LCW | APPROVED | 11-6-36 | DATE
REPLACED BY | .02 SHA. | CALC. WT. | ACT. WT.
1/64 | LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
12" = 1'-0" | SCALE
A C
NAVY | VELLUMOID | COMM'L.
MATERIAL | SPEC. | HEAT TREAT | FINISH
BOWEN | O.W.M. | MILLER
10-5-36 | 10-24-36 | R.
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN
NAME
GASKET—
OIL TANK OUTLET
OPP. HAND
DWG. B SIZE
28-0-

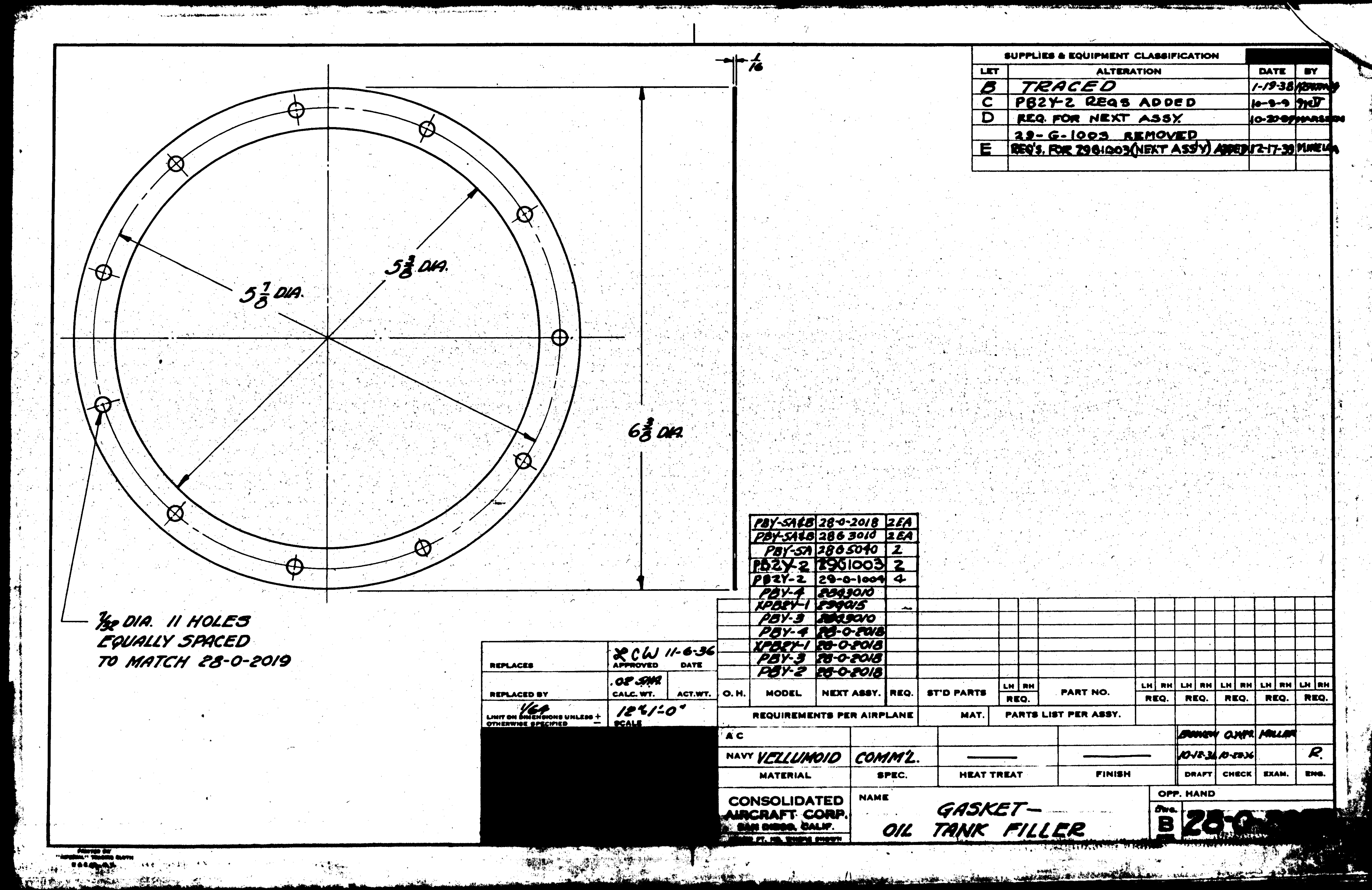


PART NO. | L
28-0-2017-2 | 1
28-0-2017-3 | 1 3/4
LET | ALTERATION | DATE | BY
G | TRACED. NO WT. CHG | 6-7-43 | H.HAGAR
H | IN B/M SPEC. AN QQ-S-684 WAS 46S23 & HEAT TREAT 120,000 TO 145,000#/□ WAS NAF SH 27-1. NO WT. CHG. | 6-7-43 | H.HAGAR
CHAMFER 45° x 1/32 TH'D 10-32 N.F. 3
L
11/32
7/16
.190 +.0000 -.0066
3/32
CHAMFER 45° x 3/64 TH'D. 10-24
DRILL #50(.070)
SPL. PITCH DIA. .1653
NOTE 1. HOLD P.D. AS CLOSE TO HIGH LIMIT AS POSSIBLE.
2 DIMS. ARE AFTER PLATING.
3 THREAD TOLERANCE - CLASS 3
ASSY DASH NO | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
-NO. | MODEL | N.A. | REQ
REQ. PER AIRPLANE
REPLACES 28-0-2017-10-7-36
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT OF DIMENSIONS UNLESS OTHERWISE SPECIFIED
SCALE 12" = 1' 0"
STAMP PART NUMBER WHERE SHOWN
CM. ST'L 4130 AN-QQ-S-684
PART No | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 -2 -3 -4 -5
PARTS LIST PER ASSY.
AC
NAVY 120,000 TO 145,000#/□
HEAT TREAT
C
FINISH
BOWEN | O.W.H. | MILLER
10-7-36 | 10-8-36
DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
R
OPP. HAND
NAME STUD OIL TANK
DWG. B 28-0-2017
SIZE
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
28-0-2017

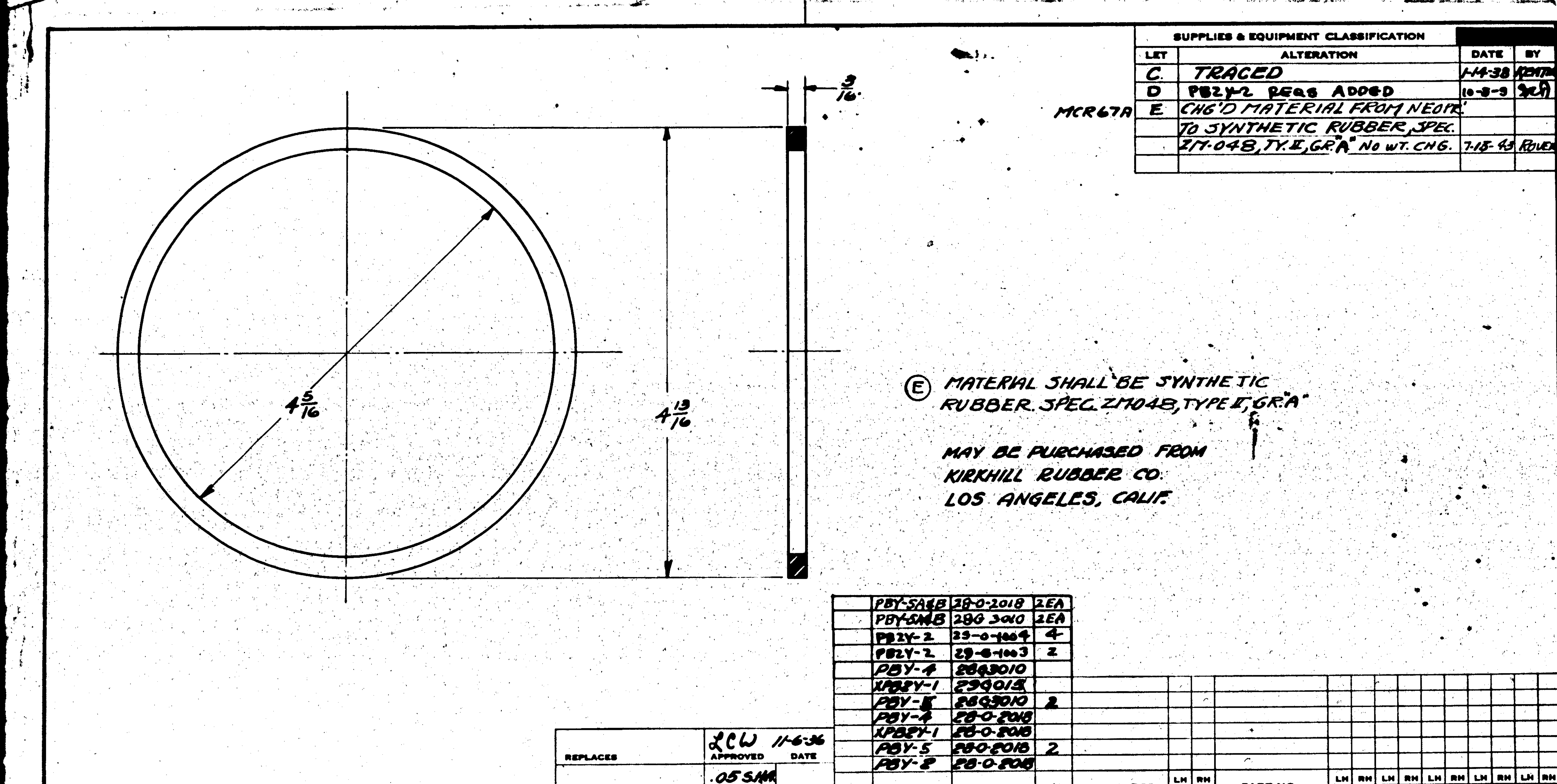


NOTE:-
ON 28-0-2020-2 FINISH P-2 RED ENAMEL
ON 28-0-2020 FINISH P-2 YELLOW ENAMEL
SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
G
TRACED
H
PB2Y-2 REQS ADDED
I
-2 INSERTED IN O.H COLUMN
AT NEXT ASSY 29G1003
J
IN B/M, REPLACED "AL. ALLOY CAST T6, 46-Al-CL4," & "NAF SA-8" WITH NOTE 2 TO FACE ADDED MATERIAL NOTE. NO WT. CHG
8-26-43
A
A
DRILL 1/4 DIA. THRU
1/2 R.
1/8 R.
4 5/16 DIA.
5
CHAMFER 1/32 X 45°
SECTION A-A
FINISH CODE
[redacted]
NOTE:- LIMITS
CASTING ±1/32
MACH. ±.010
-2 PB2Y-2 29G-1003 2
PB2Y-2 29-0-1004 4
-2 PBY-4 28G3010
-2 XPB2Y-1 29G015
-2 PBY-3 28G3010
PBY-4 28-0-2018
XPB2Y-1 28-0-2018
PBY-3 28-0-2018
PBY-2 28-0-2018
REPLACES
LCW 11-6-36
APPROVED
DATE
REPLACED BY
.32 SKA.
CALC. WT.
ACT. WT.
NOTED
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
12" = 1'-0"
SCALE
[redacted]
O.H.
MODEL
NEXT ASSY.
REQ.
ST'D PARTS
PART NO.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
A C
NAVY - NOTED
NOTED
NOTED
Z-SEE NOTE
BOWEN
QNM.
MILLER
R.
MATERIAL
SPEC.
HEAT TREAT
FINISH
DRAFT
CHECK
EXAM.
ENG.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
NAME
COVER - TANK FILLER
DWG. B
28-0-2020
(J) MATERIAL MAY BE:
1.- AL. ALLOY CASTING 195T4, SPEC. AN-QQ-A 390 CL.I, T.S. 29,000 P.S.I., OR
2.- AL. ALLOY CASTING S195T6, SPEC. AN-A-5 CL. II, T.S. 32,000 P.S.I.
SEE RELEASE SHEET
PBY-5A&B 28-0-2018
-2 PBY-5A&B 28G3010
OH MODEL NEXT ASSY
28-0-2020


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C TRACED 1-17-38
D PB2Y-2 REQ. ADDED 10-20-39
E PB2Y-2 REQS ADDED 11-10-39
F CHANGED REQ'MTS PER AIRPLANE PBY-5 & PBY-5A NEXT ASS'Y. 28G3010 FROM 2 TO 1. NO WT. CHG 8-13-43
G IN B/M REPLACED "AL ALLOY CAST'G," "46A1-CL.4," & "NAF SA-8" WITH "NOTED." TO FACE ADDED MATERIAL NOTE. NO WT. CHG. 8-26-43 HODIK
A
A
5 3/8
5 7/8
6 3/8
1/4 R.
#30 (.128) DRILL 11 HOLES EQUALLY SPACED
5/16
TAP 10-24 TH'D. N.C. 3
PITCH DIA. .1629
HOLES MUST MATCH THOSE IN 28-0-2019
1/8
1/2
3/16
SECTION A-A
FINISH CODE
NOTE:- LIMITS.
CASTING ±1/32
MACH. ±.010
(G)
MATERIAL MAY BE:
1.- AL. ALLOY CASTING 195T4, SPEC. AN-QQ-A-390 CL.I, T.S. 29,000 P.S.I., OR
2.- AL. ALLOY CASTING S195T6, SPEC. AN-A-5 CL.II, T.S. 32,000 P.S.I.
SEE RELEASE SHEET
PBY-5A 28-0-2003 2
PBY-5A 28G3010 1
PBY-5 280-2003 2
PBY-5 28G3010 1
O.H. MODEL NEXT ASSY. REQ.
REPLACES
APPROVED 11-6-36 DATE
REPLACED BY NOTED
.19 SHA. CALC. WT. ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
12" = 1'-0" SCALE
[redacted]
PBY-4 28G3010
PBY-4 28-0-2003
XPB2Y-1 28-0-2003
PBY-3 28G3010
PBY-3 28-0-2003
PBY-2 28-0-2003
XPB2Y-1 29G1014
PB2Y-2 29-0-1003 4
PB2Y-2 29G1014 2
O.H. MODEL NEXT ASSY. REQ. O.H. MODEL NEXT ASSY REQ
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
REQUIREMENTS PER AIRPLANE
REQUIREMENTS PER AIRPLANE
AC
NAVY NOTED NOTED NOTED Z
MATERIAL SPEC. HEAT TREAT FINISH
10-16-36 10-23-36 R.
DRAFT CHECK EXAM. ENG.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
NAME RING-TAPPING-OIL TANK FILLER
DWG. B 28-0-2021
28-0-2021



1/16
5 7/8 DIA.
5 3/8 DIA.
6 3/8 DIA.
7/32 DIA. 11 HOLES
EQUALLY SPACED
TO MATCH 28-0-2019
SUPPLIES & EQUIPMENT CLASSIFICATION
[redacted]
LET | ALTERATION | DATE | BY
B | TRACED | 1-19-38
C | PB2Y-2 REQS ADDED | 10-9-9
D | REQ. FOR NEXT ASSY. | 10-20-39
29-G-1003 REMOVED
E | REQ'S. FOR 2961003 (NEXT ASS'Y) ADDED | 12-17-39
PBY-5A&B | 28-0-2018 | 2EA
PBY-5A&B | 2863010 | 2EA
PBY-5A | 2865040 | 2
PB2Y-2 | 2961003 | 2
PB2Y-2 | 29-0-1004 | 4
PBY-4 | 2843010
XPB2Y-1 | 289015
PBY-3 | 2829010
PBY-4 | 28-0-2018
XPB2Y-1 | 28-0-2018
PBY-3 | 28-0-2018
PBY-2 | 28-0-2018
O. H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH | RH | REQ. | PART NO. | LH | RH | REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES
LCW 11-6-36
APPROVED | DATE
REPLACED BY
.08 SHR
CALC. WT. | ACT. WT.
1/64
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
12"/1-0"
SCALE
[redacted]
A C
NAVY VELLUMOID | COMM'L.
MATERIAL | SPEC. | HEAT TREAT | FINISH
10-13-36 | 10-23-36 | R.
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
NAME
GASKET—
OIL TANK FILLER
OPP. HAND
DWG. B 28-0-



SUPPLIES & EQUIPMENT CLASSIFICATION		[redacted]	
LET	ALTERATION	DATE	BY
C.	TRACED	1-14-38	[illegible]
D	PB2Y-2 REQS ADDED	10-8-9	[illegible]
E	CHG'D MATERIAL FROM NEOPR. TO SYNTHETIC RUBBER, SPEC. ZM-048, TY. II, GR. "A" NO WT. CHG.	7-18-45	ROVER

O. H.	MODEL	NEXT ASSY.	REQ.
	PBY-5A&B	28-0-2018	2EA
	PBY-5A&B	28G 3010	2EA
	PB2Y-2	29-0-1004	4
	PB2Y-2	29-0-1003	2
	PBY-4	28G3010	
	XPB2Y-1	29G015	
	PBY-5	28G3010	2
	PBY-4	28-0-2018	
	XPB2Y-1	28-0-2018	
	PBY-5	28-0-2018	2
	PBY-8	28-0-2018	

REQUIREMENTS PER AIRPLANE

ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.	LH REQ.	RH REQ.	LH REQ.	RH REQ.	LH REQ.	RH REQ.	LH REQ.	RH REQ.
MAT.			PARTS LIST PER ASSY.										

REPLACES	LCW APPROVED	11-6-36 DATE
REPLACED BY	.05 SHA CALC. WT.	ACT. WT.
1/64 LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±	12" = 1'-0" SCALE	

[redacted]

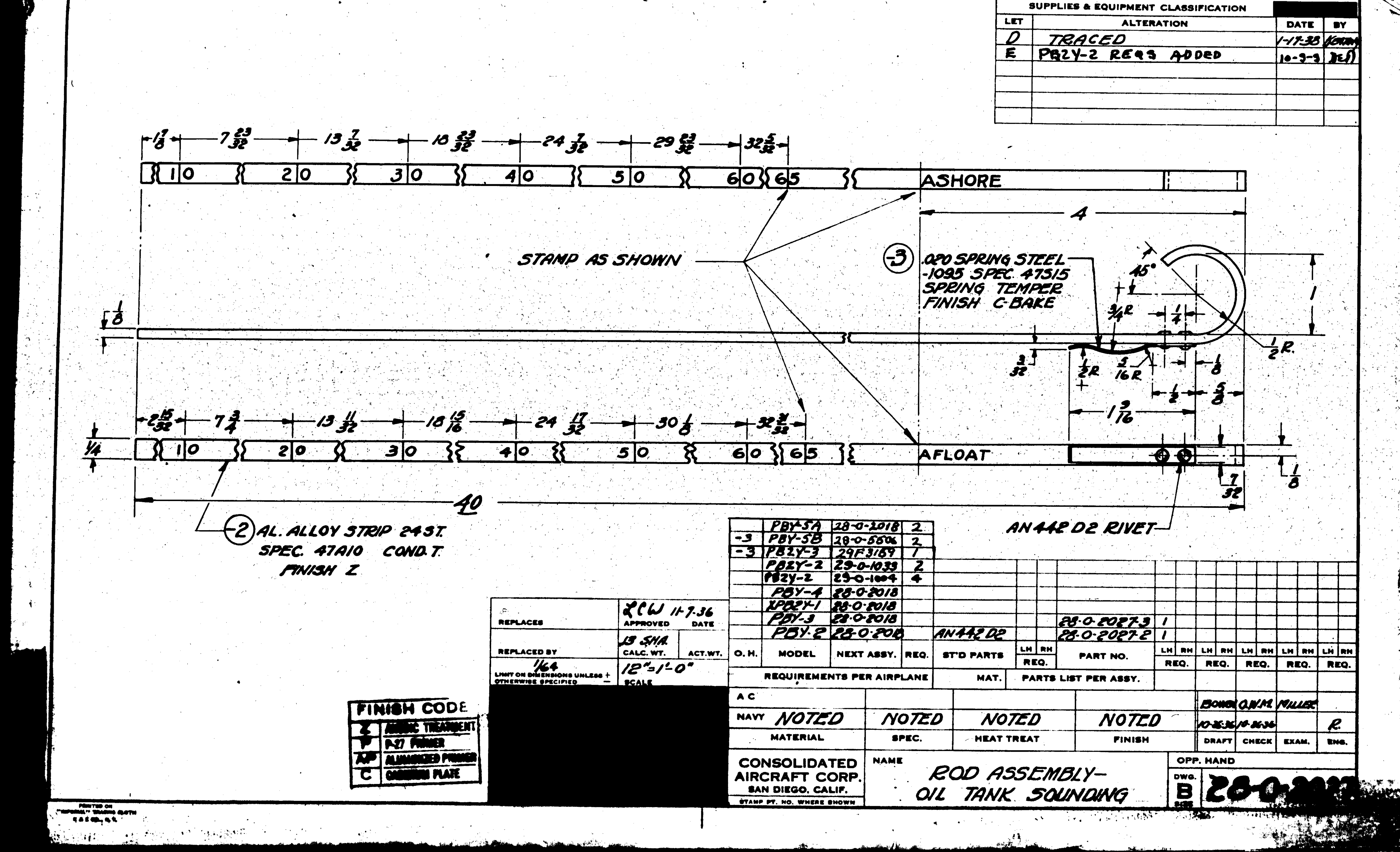
A C				BOWEN	QWM	MILLER	
NAVY NOTED	NOTED	NONE	NONE	10-16-36	10-28-36		R.
MATERIAL	SPEC.	HEAT TREAT	FINISH	DRAFT	CHECK	EXAM.	ENG.

CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.

NAME: GASKET-OIL TANK FILLER.

OPP. HAND

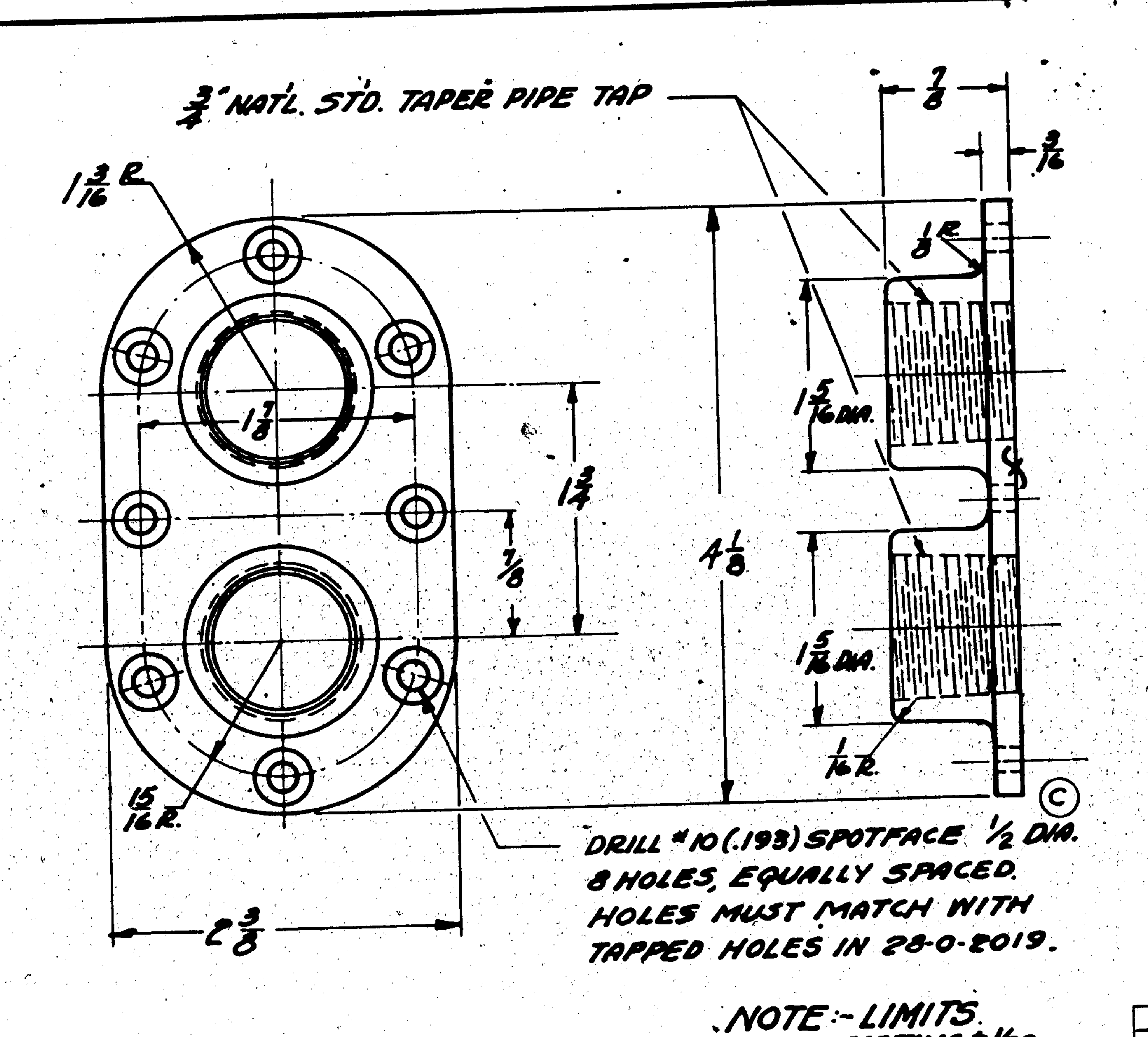
DWG. B 28-0-2026



	PBY-5A	28-0-2018	2			
-3	PBY-5B	28-0-5506	2			
-3	PB2Y-3	29F3169	1			
	PB2Y-2	29-0-1033	2			
	PB2Y-2	29-0-1004	4			
	PBY-4	28-0-2018				
	XPB2Y-1	28-0-2018				
	PBY-3	28-0-2018			28-0-2027-3	1
	PBY-2	28-0-2018		AN442 D2	28-0-2027-2	1
O. H.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS / LH RH REQ.	PART NO.	LH RH REQ.
REQUIREMENTS PER AIRPLANE				MAT.	PARTS LIST PER ASSY.	

E.O. 17908

LET	SUPPLIES & EQUIPMENT CLASSIFICATION ALTERATION	DATE	BY
A.	TRACED	1-14-38	[illegible]
B	PB2Y-2 REQS ADDED	10-9-9	[illegible]
C	SPOTFACE ½ DIA. WAS SPOTFACE ⅜ DIA.	11-1-40	[illegible]
D	REMOVED PB2Y-3 REQUIREMENTS	5-20-41	L.DAVIS
E	IN B/M, REPLACED "AL. ALLOY CASTING", "AG41 CL.4", & "NAF. 8A-8" WITH "NOTED", TO FACE ADDED MATERIAL NOTE NO WT CHG.	8-27-43	HODIK



FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	[illegible]
C	[illegible] PLATE

Ⓔ MATERIAL MAY BE:

1. -AL ALLOY CASTING 195T4, SPEC. AN-QQ-A-390 CL. I, T.S. 29,000 P.S.I., OR
2. -AL ALLOY CASTING S195T6, SPEC. AN-A-5 CL. II, T.S. 32,000 P.S.I.

SEE RELEASE SHEET

O. H.	MODEL	NEXT ASSY.	REQ.
	PBY-5&5A	28-0-2018	2 EA
	PB2Y-2	29-0-1004	4
	PBY-4	28-0-2018	
	XPB2Y-1	28-0-2018	
	PBY-3	28-0-2018	
	PBY-2	28-0-2018	
	PBY-5B	28-0-2018	2

REQUIREMENTS PER AIRPLANE

ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ. | LH RH REQ. | LH RH REQ. | LH RH REQ. | LH RH REQ.

MAT. | PARTS LIST PER ASSY.

REPLACES	APPROVED LCW	DATE 11-6-36
REPLACED BY	CALC. WT. .18 SHA.	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± NOTED	SCALE 12"=1'-0"	

[redacted]

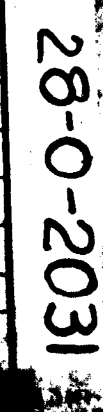
A C							
NAV. NOTED	NOTED	NOTED	Z-P	BOHEN 10-20-36	OHM. 10-22-36	MILLER	R.
MATERIAL	SPEC.	HEAT TREAT	FINISH	DRAFT	CHECK	EXAM.	ENG.

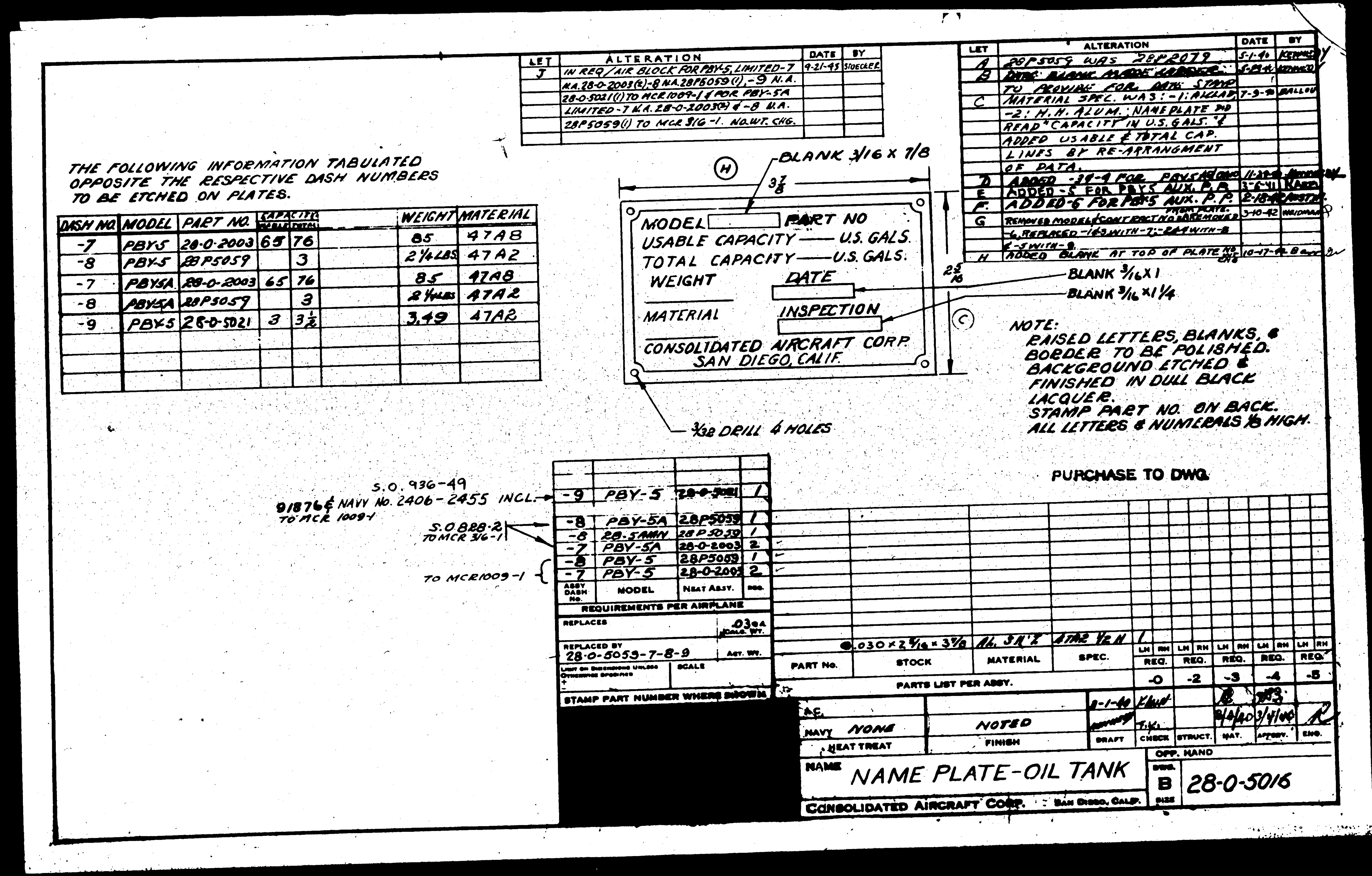
OPP. HAND

CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN

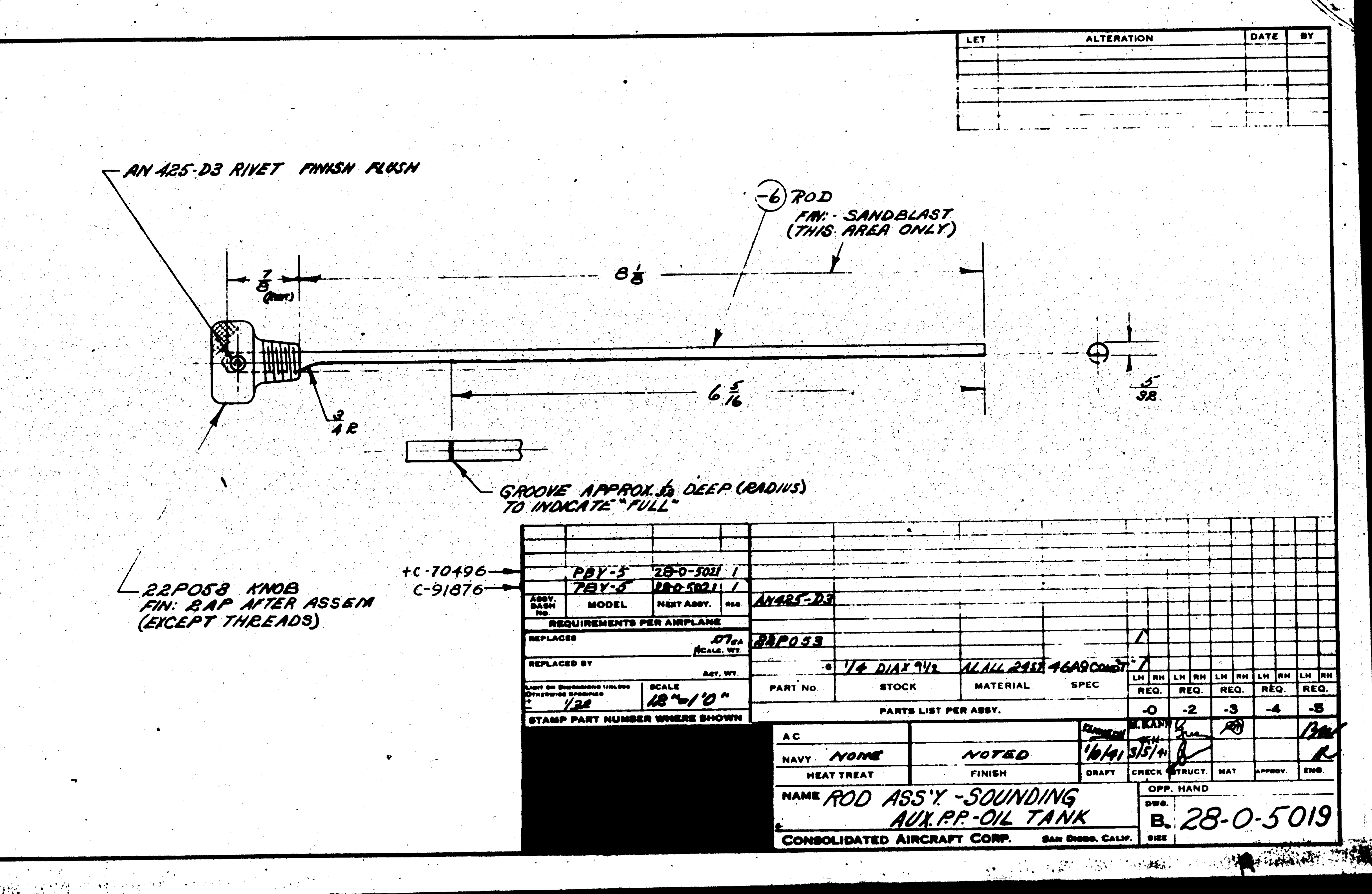
NAME FLANGE-OIL TANK VENT & INLET

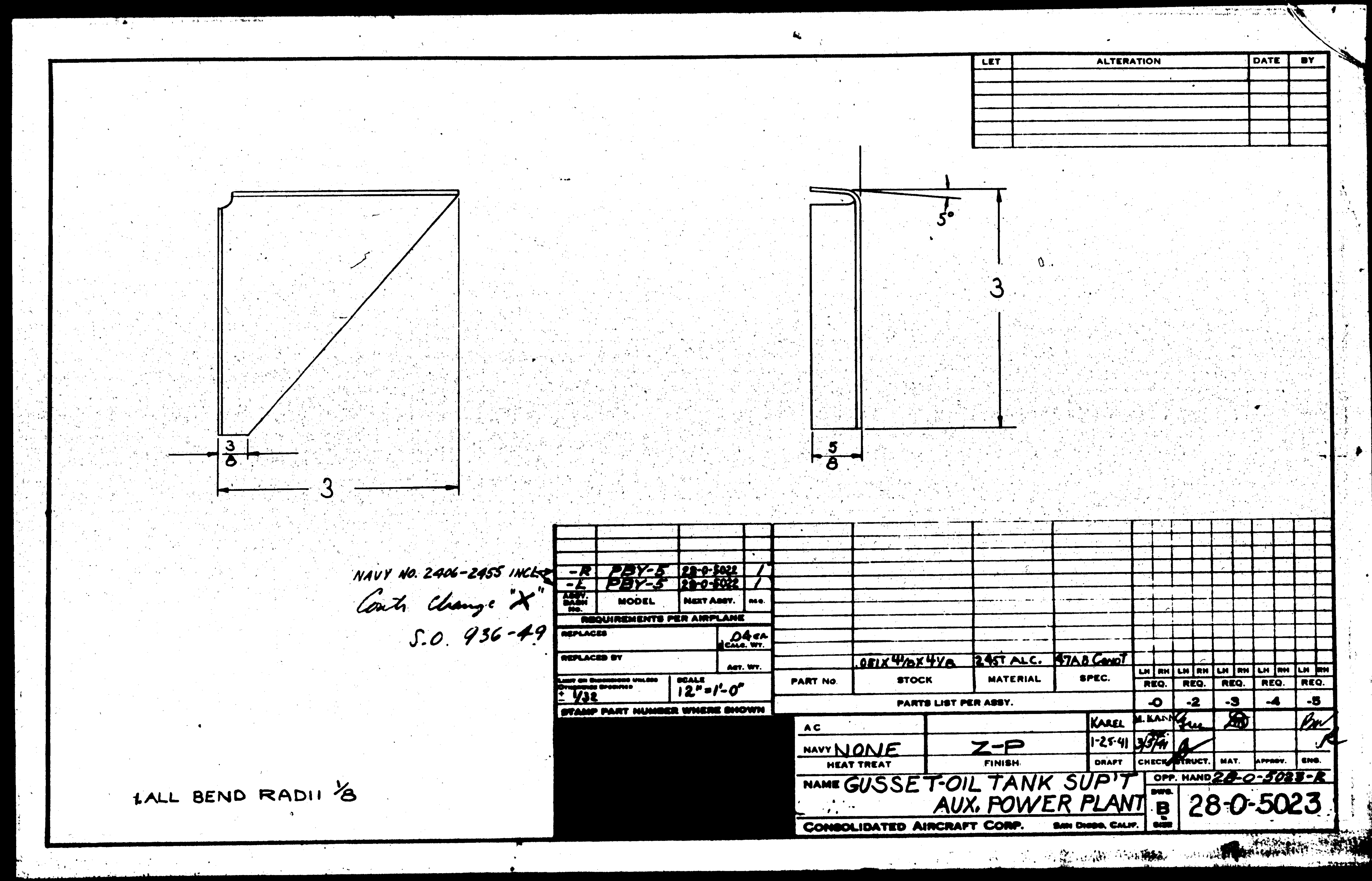
DWG. B 28-0-2031



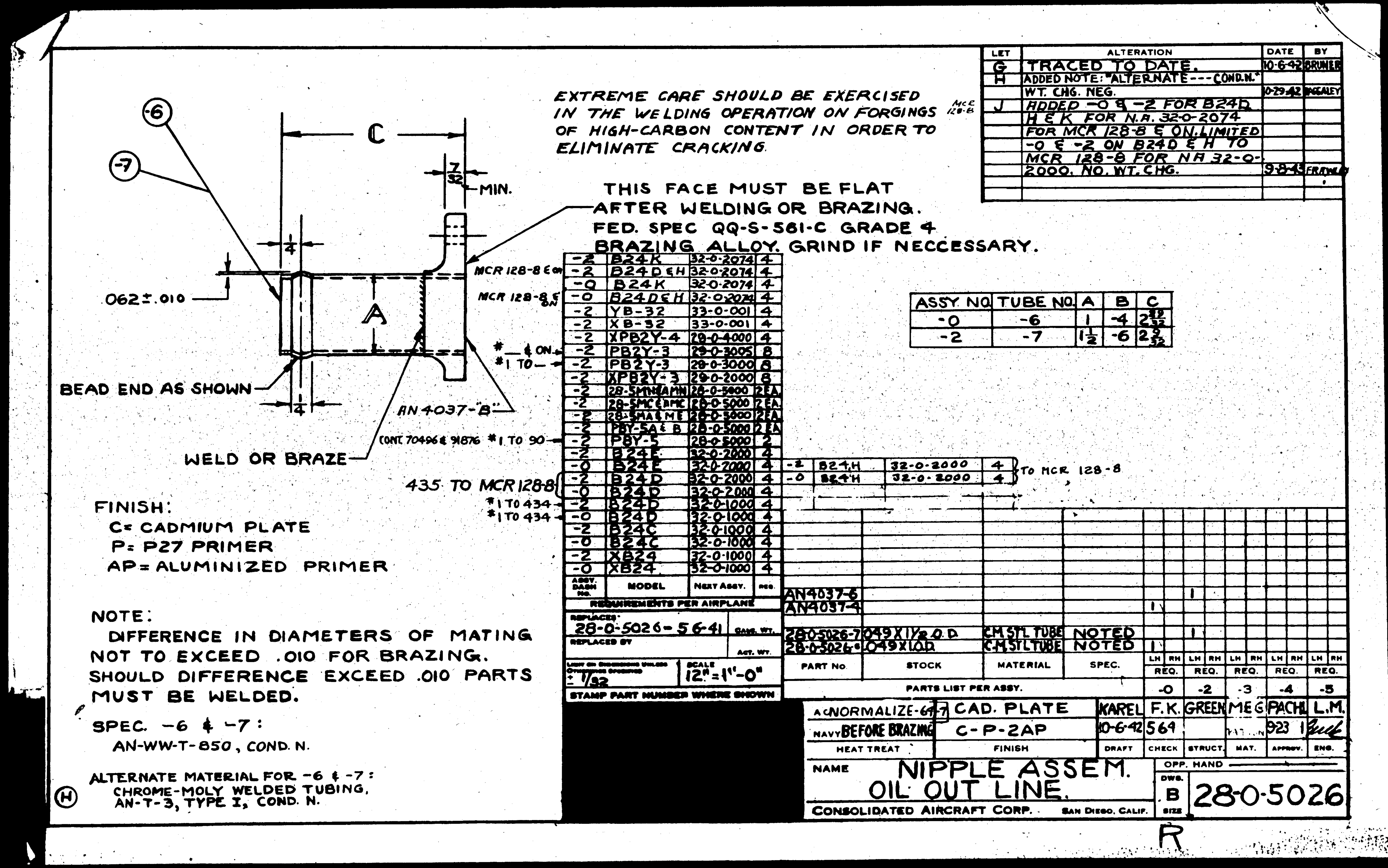


LET | ALTERATION | DATE | BY
J | IN REQ/AIR BLOCK FOR PBY-5, LIMITED-7 N.A. 28-0-2003(2)-8 N.A. 28P5059(1), -9 N.A. 28-0-5021(1) TO MCR 1009-1 & FOR PBY-5A LIMITED-7 N.A. 28-0-2003(2) & -8 N.A. 28P5059(1) TO MCR 316-1. NO WT. CHG. | 9-21-45 | STOECKLER
LET | ALTERATION | DATE | BY
A | 28P5059 WAS 28P2079 | 5-1-40
B | DATE BLANK MADE LARGER TO PROVIDE FOR DATE STAMP | 5-29-40
C | MATERIAL SPEC. WAS: -1: ALCLAD -2: H.H. ALUM.; NAME PLATE DID READ "CAPACITY IN U.S. GALS." & ADDED USABLE & TOTAL CAP. LINES BY RE-ARRANGMENT OF DATA. | 7-9-40 | BALLOU
D | ADDED -3 & -4 FOR PBY-5A | 11-29-40
E | ADDED -5 FOR PBY5 AUX. P.P. | 3-6-41
F | ADDED -6 FOR PBY5 AUX. P.P. | 2-18-42
G | REMOVED MODEL & CONTRACT NO. REMOVED FROM PLATE. -6, REPLACED -1 & 3 WITH -7; -2 & 4 WITH -8 & -5 WITH -9. | 3-10-42
H | ADDED BLANK AT TOP OF PLATE | 10-17-42
THE FOLLOWING INFORMATION TABULATED OPPOSITE THE RESPECTIVE DASH NUMBERS TO BE ETCHED ON PLATES.
DASH NO. | MODEL | PART NO. | CAPACITY USABLE | TOTAL | WEIGHT | MATERIAL
-7 | PBY-5 | 28-0-2003 | 65 | 76 | 85 | 47A8
-8 | PBY-5 | 28P5059 | | 3 | 2 1/4 LBS | 47A2
-7 | PBY5A | 28-0-2003 | 65 | 76 | 85 | 47A8
-8 | PBY5A | 28P5059 | | 3 | 2 1/4 LBS | 47A2
-9 | PBY-5 | 28-0-5021 | 3 | 3 1/2 | 3.49 | 47A2
BLANK 3/16 x 7/8
3 7/8
2 5/16
MODEL
PART NO
USABLE CAPACITY —— U.S. GALS.
TOTAL CAPACITY —— U.S. GALS.
WEIGHT
DATE
MATERIAL
INSPECTION
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
BLANK 3/16 x 1
BLANK 3/16 x 1 1/4
3/32 DRILL 4 HOLES
NOTE:
RAISED LETTERS, BLANKS, & BORDER TO BE POLISHED.
BACKGROUND ETCHED & FINISHED IN DULL BLACK LACQUER.
STAMP PART NO. ON BACK.
ALL LETTERS & NUMERALS 1/8 HIGH.
PURCHASE TO DWG.
S.O. 936-49
91876 & NAVY No. 2406-2455 INCL.
TO MCR 1009-1
S.O. 828-2
TO MCR 316-1
TO MCR 1009-1
-9 | PBY-5 | 28-0-5021 | 1
-8 | PBY-5A | 28P5059 | 1
-8 | 28-5AMN | 28P5059 | 1
-7 | PBY-5A | 28-0-2003 | 2
-8 | PBY-5 | 28P5059 | 1
-7 | PBY-5 | 28-0-2003 | 2
ASSY DASH No. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.03 EA CALC. WT.
REPLACED BY 28-0-5059-7-8-9
ACT. WT.
SCALE
STAMP PART NUMBER WHERE SHOWN
.030 x 2 5/16 x 3 7/8 AL. 3H'Z ATAR 1/2 H
PART No. | STOCK | MATERIAL | SPEC.
PARTS LIST PER ASSY.
REQ. -0 | REQ. -2 | REQ. -3 | REQ. -4 | REQ. -5
LH RH
A.C.
NAVY NONE
HEAT TREAT
NOTED
FINISH
8-1-40
DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
OPP. HAND
NAME NAME PLATE-OIL TANK
DWG. SIZE B
28-0-5016
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

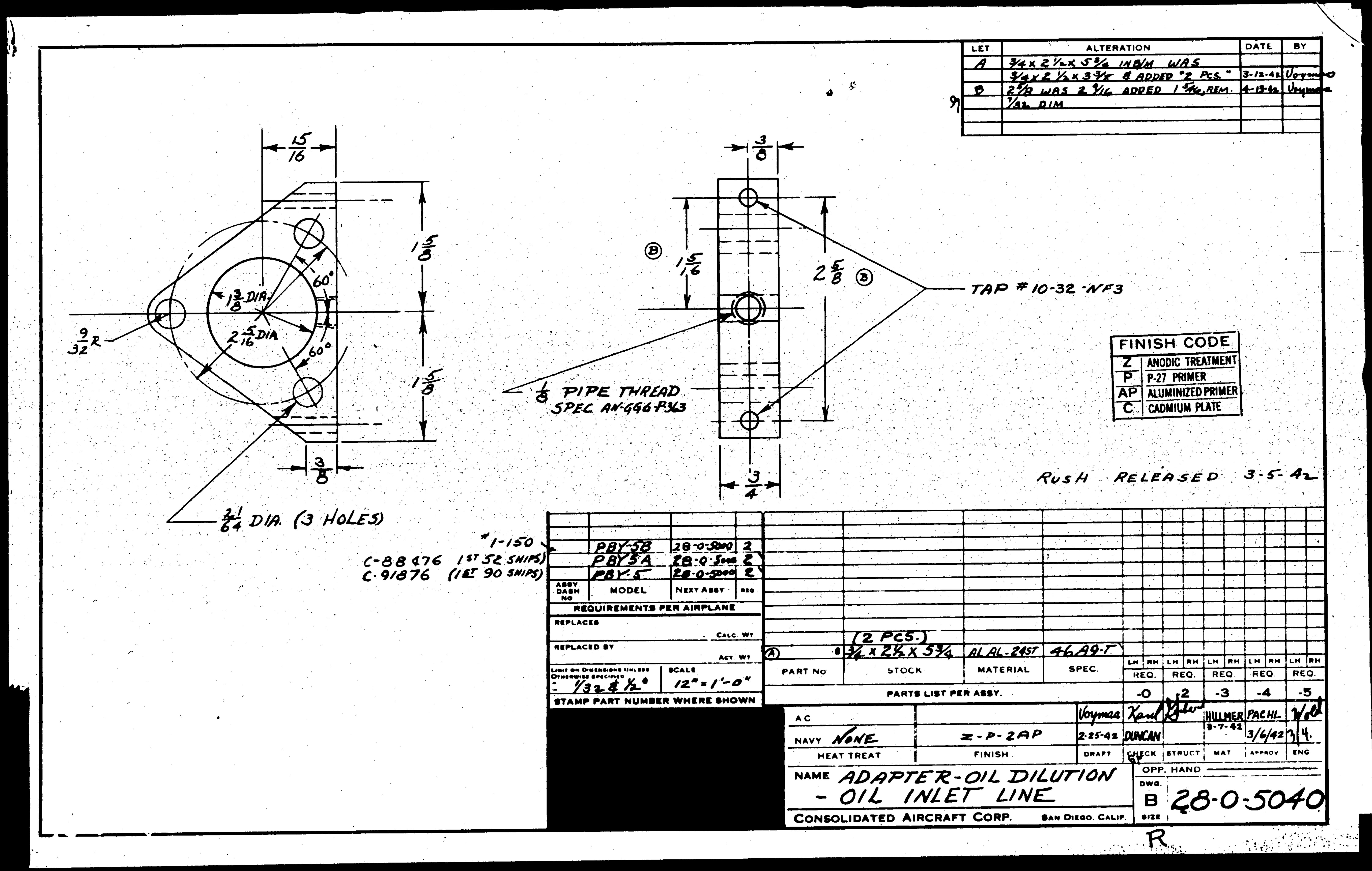

LET
ALTERATION
DATE
BY
AN 425-D3 RIVET FINISH FLUSH
-6 ROD
FIN:- SANDBLAST
(THIS AREA ONLY)
7/8
8 1/8
6 5/16
3/4 R
5/32
GROOVE APPROX. 1/32 DEEP (RADIUS)
TO INDICATE "FULL"
22P058 KNOB
FIN: BAP AFTER ASSEM
(EXCEPT THREADS)
+C-70496
C-91876
PBY-5 28-0-5021 1
PBY-6 28-0-5021 1
ASSY. DASH No.
MODEL
NEXT ASSY.
REQUIREMENTS PER AIRPLANE
REPLACES
.07 EA
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
12"=1'0"
1/32
STAMP PART NUMBER WHERE SHOWN
AN425-D3
22P053
-6 1/4 DIA X 9 1/2 AL ALL 24ST 46A9 COND T 1
PART No.
STOCK
MATERIAL
SPEC
LH RH
REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
AC
NAVY NONE
NOTED
HEAT TREAT
FINISH
1/6/41
3/5/41
DRAFT
CHECK
STRUCT.
MAT
APPROV.
ENG.
OPP. HAND
NAME ROD ASS'Y. -SOUNDING
AUX. P.P.-OIL TANK
DWG.
B.
SIZE
28-0-5019
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.



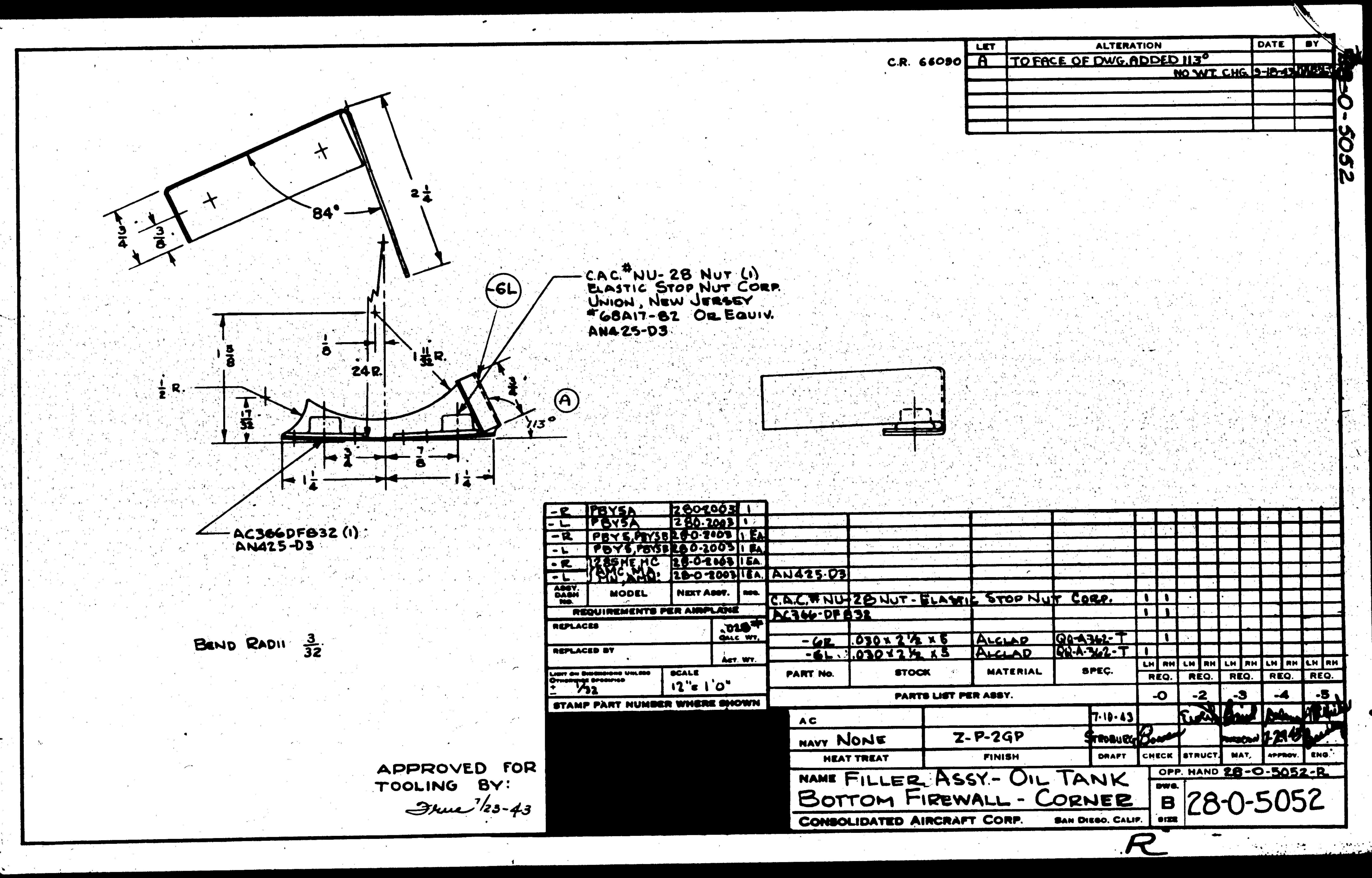
LET
ALTERATION
DATE
BY
5°
3
3/8
3
5/8
NAVY NO. 2406-2455 INCL.
Contr. Change "X"
S.O. 936-49
-R PBY-5 28-0-5022 1
-L PBY-5 28-0-5022 1
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQUIREMENTS PER AIRPLANE
REPLACES
.04 ea
CALC. WT.
REPLACED BY
ACT. WT.
± 1/32
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.081 X 4 1/8 X 4 1/8
24ST ALC.
47A8 Cond T
PART No.
STOCK
MATERIAL
SPEC.
PARTS LIST PER ASSY.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
-0 -2 -3 -4 -5
AC
NAVY NONE
HEAT TREAT
Z-P
FINISH
KAREL
1-25-41
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NAME GUSSET-OIL TANK SUP'T AUX. POWER PLANT
OPP. HAND 28-0-5023-R
DWG. B SIZE
28-0-5023
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
ALL BEND RADII 1/8



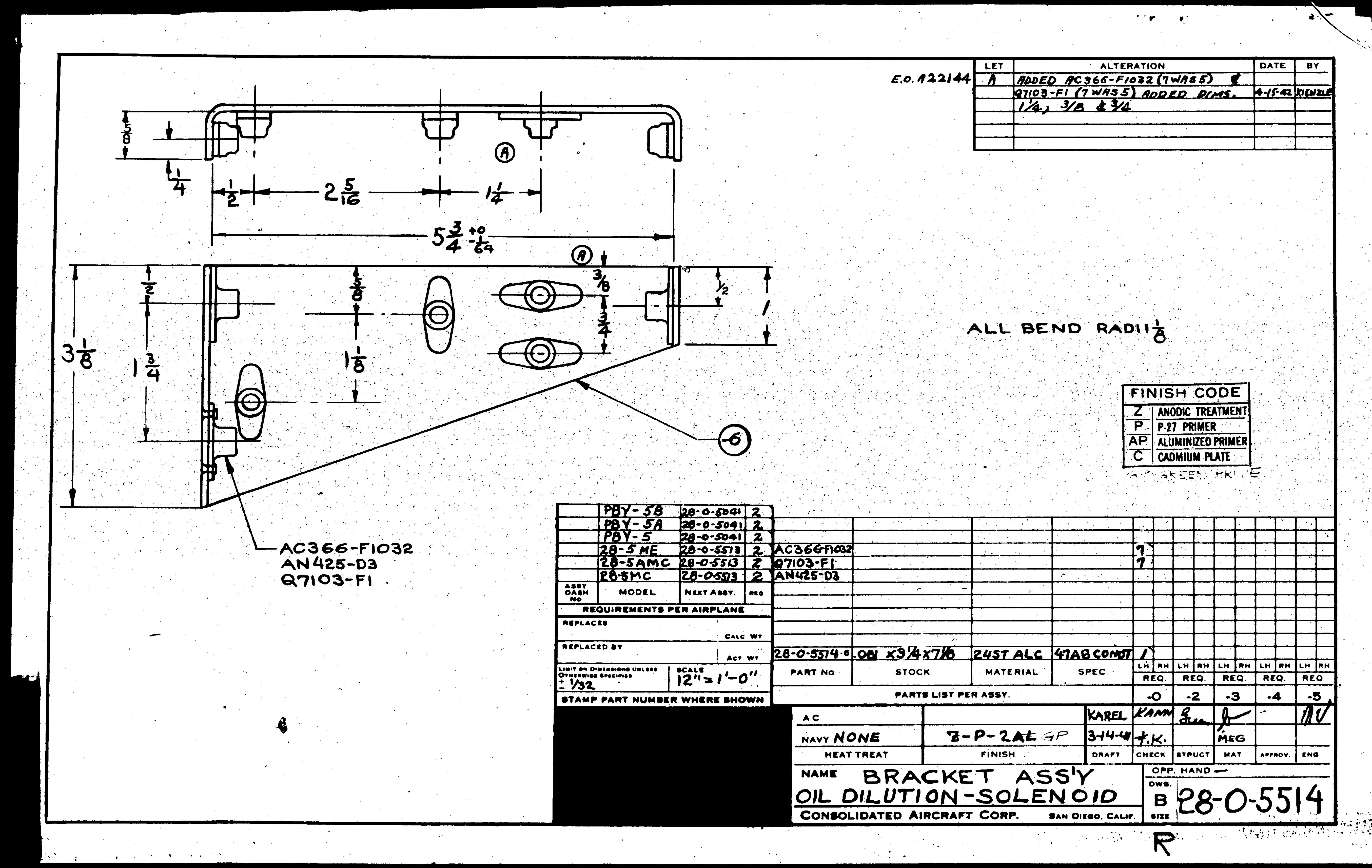
LET
ALTERATION
DATE
BY
G TRACED TO DATE. 10-6-42 BRUNER
H ADDED NOTE: "ALTERNATE---COND.N."
WT. CHG. NEG. 10-29-42
J ADDED -0 & -2 FOR B24D H & K FOR N.A. 32-0-2074 FOR MCR 128-8 & ON. LIMITED -0 & -2 ON B24D & H TO MCR 128-8 FOR NA 32-0-2000. NO. WT. CHG. 9-8-43
EXTREME CARE SHOULD BE EXERCISED IN THE WELDING OPERATION ON FORGINGS OF HIGH-CARBON CONTENT IN ORDER TO ELIMINATE CRACKING.
THIS FACE MUST BE FLAT AFTER WELDING OR BRAZING. FED. SPEC QQ-S-561-C GRADE 4 BRAZING ALLOY. GRIND IF NECCESSARY.
-6
-7
C
7/32 MIN.
1/4
.062±.010
A
BEAD END AS SHOWN
AN4037-"B"
WELD OR BRAZE
MCR 128-8 & ON
435 TO MCR 128-8
CONT. 70496 & 91876 #1 TO 90
#1 TO 434
ASSY. NO. | TUBE NO. | A | B | C
-0 | -6 | 1 | -4 | 2 29/32
-2 | -7 | 1 1/2 | -6 | 2 9/32
-2 B24K 32-0-2074 4
-2 B24D & H 32-0-2074 4
-0 B24K 32-0-2074 4
-0 B24D & H 32-0-2074 4
-2 YB-32 33-0-001 4
-2 XB-32 33-0-001 4
-2 XPB2Y-4 29-0-4000 4
-2 PB2Y-3 29-0-3005 8
-2 PB2Y-3 29-0-3000 8
-2 XPB2Y-3 29-0-2000 8
-2 PBY-5A & B 28-0-5000 2 EA.
-2 PBY-5 28-0-5000 2
-2 B24E 32-0-2000 4
-0 B24E 32-0-2000 4
-2 B24D 32-0-2000 4
-0 B24D 32-0-2000 4
-2 B24D 32-0-1000 4
-0 B24D 32-0-1000 4
-2 B24C 32-0-1000 4
-0 B24C 32-0-1000 4
-2 XB24 32-0-1000 4
-0 XB24 32-0-1000 4
-2 B24H 32-0-2000 4
-0 B24H 32-0-2000 4
TO MCR 128-8
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES 28-0-5026-5-6-41
REPLACED BY
1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
AN4037-6
AN4037-4
28-0-5026-7 .049 X 1 1/2 O.D. C.M. STL. TUBE NOTED
28-0-5026-6 .049 X 1 O.D. C.M. STL. TUBE NOTED
PART NO. | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 -2 -3 -4 -5
PARTS LIST PER ASSY.
FINISH:
C= CADMIUM PLATE
P= P27 PRIMER
AP= ALUMINIZED PRIMER
NOTE:
DIFFERENCE IN DIAMETERS OF MATING NOT TO EXCEED .010 FOR BRAZING. SHOULD DIFFERENCE EXCEED .010 PARTS MUST BE WELDED.
SPEC. -6 & -7:
AN-WW-T-850, COND. N.
ALTERNATE MATERIAL FOR -6 & -7:
CHROME-MOLY WELDED TUBING, AN-T-3, TYPE I, COND. N.
H
AC NORMALIZE
NAVY BEFORE BRAZING
HEAT TREAT
CAD. PLATE
C-P-2AP
FINISH
KAREL 10-6-42 DRAFT
F.K. 5-6-41 CHECK
GREEN STRUCT.
MEG MAT.
PACHL 9-23 APPROV.
L.M. ENG.
NAME NIPPLE ASSEM. OIL OUT LINE.
OPP. HAND
DWG. B SIZE
28-0-5026
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R

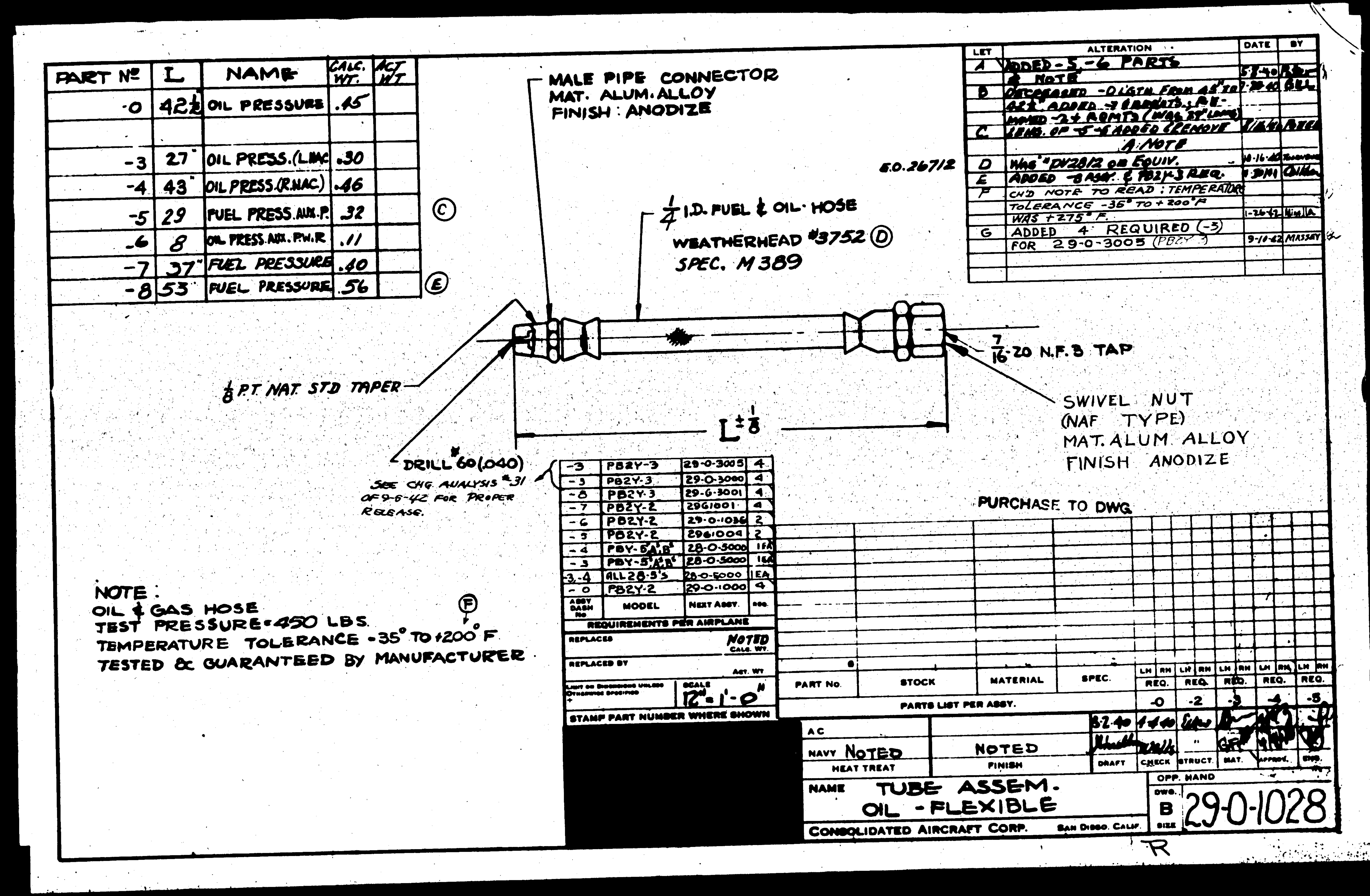


LET | ALTERATION | DATE | BY
A | 3/4 x 2 1/2 x 5 3/4 INB/M WAS 3/4 x 2 1/2 x 3 3/8 & ADDED "2 PCS." | 3-12-42 | Voymas
B | 2 5/8 WAS 2 9/16 ADDED 1 5/16, REM. 7/32 DIM | 4-13-42 | Voymas
15/16
1 5/8
1 5/8
1 3/8 DIA.
2 5/16 DIA
60°
60°
9/32 R
3/8
21/64 DIA. (3 HOLES)
3/8
1 5/16
2 5/8
3/4
TAP #10-32-NF3
1/8 PIPE THREAD SPEC AN-GG6-P363
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
RUSH RELEASED 3-5-42
#1-150
C-88476 (1ST 52 SHIPS)
C-91876 (1ST 90 SHIPS)
PBY-5B | 28-0-5000 | 2
PBY-5A | 28-0-5000 | 2
PBY-5 | 28-0-5000 | 2
ASSY DASH NO | MODEL | NEXT ASSY | REQ
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 & 1/2°
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
(2 PCS.)
A | 3/4 x 2 1/2 x 5 3/4 | AL AL-24ST | 46A9-T
PART No | STOCK | MATERIAL | SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
AC
NAVY NONE
HEAT TREAT
Z-P-2AP
FINISH
Voymas 2-25-42 DRAFT
DUNCAN CHECK
STRUCT
HILLMER 3-7-42 MAT
PACHL 3/6/42 APPROV
ENG
OPP. HAND
NAME ADAPTER-OIL DILUTION - OIL INLET LINE
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
DWG. SIZE B 28-0-5040
R



LET | ALTERATION | DATE | BY
C.R. 66090 | A | TO FACE OF DWG. ADDED 113° NO WT. CHG. | 9-18-43
28-0-5052
84°
2 1/4
3/4
3/8
C.A.C. #NU-28 NUT (1)
ELASTIC STOP NUT CORP.
UNION, NEW JERSEY
#68A17-82 OR EQUIV.
AN425-D3
-6L
1 5/8
1/8
24 R.
1 11/32 R.
1/2 R.
17/32
3/4
113°
A
3/4
7/8
1 1/4
1 1/4
AC366DF832 (1)
AN425-D3
BEND RADII 3/32
APPROVED FOR TOOLING BY:
7/23-43
-R | PBY5A | 28-0-2003 | 1
-L | PBY5A | 28-0-2003 | 1
-R | PBY5, PBY5B | 28-0-2003 | 1 EA.
-L | PBY5, PBY5B | 28-0-2003 | 1 EA.
-R | 28-5ME, MC, AMC, MA, MN, AMN | 28-0-2003 | 1 EA.
-L | 28-5ME, MC, AMC, MA, MN, AMN | 28-0-2003 | 1 EA.
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
REPLACED BY
.028# CALC. WT.
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'0"
STAMP PART NUMBER WHERE SHOWN
AN425-D3
C.A.C. #NU-28 NUT - ELASTIC STOP NUT CORP.
AC366-DF832
-6R | .030 x 2 1/2 x 5 | ALCLAD | QQ-A-362-T
-6L | .030 x 2 1/2 x 5 | ALCLAD | QQ-A-362-T
PART No. | STOCK | MATERIAL | SPEC.
LH | RH | LH | RH | LH | RH | LH | RH | LH | RH
REQ. | REQ. | REQ. | REQ. | REQ.
PARTS LIST PER ASSY.
-0 | -2 | -3 | -4 | -5
AC
NAVY NONE
Z-P-2GP
HEAT TREAT
FINISH
7-10-43
DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
NAME FILLER ASSY. - OIL TANK
BOTTOM FIREWALL - CORNER
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP. HAND 28-0-5052-R
DWG. SIZE B
28-0-5052
R


E.O. 122144
LET | ALTERATION | DATE | BY
A | ADDED AC366-F1032 (7 WAS 5) & Q7103-F1 (7 WAS 5) ADDED DIMS. 1/4, 3/8 & 3/4 | 4-15-42 | KIENZLE
A
5/8
1/4
1/2
2 5/16
1 1/4
5 3/4 +0 -1/64
3 1/8
1/2
1 3/4
3/8
1 1/8
3/8
3/4
1/2
1
6
ALL BEND RADII 1/8
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
AC366-F1032
AN425-D3
Q7103-F1
PBY-5B | 28-0-5041 | 2
PBY-5A | 28-0-5041 | 2
PBY-5 | 28-0-5041 | 2
28-5ME | 28-0-5513 | 2 | AC366-F1032 | 7
28-5AMC | 28-0-5513 | 2 | Q7103-F1 | 7
28-5MC | 28-0-5513 | 2 | AN425-D3
ASSY DASH No | MODEL | NEXT ASSY. | REQ
REQUIREMENTS PER AIRPLANE
REPLACES | CALC WT
REPLACED BY | ACT WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 | SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
28-0-5514-6 | .081 X 3 1/4 X 7 1/8 | 24ST ALC | 47AB COND T | 1
PART No. | STOCK | MATERIAL | SPEC. | LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY NONE | Z-P-2 GP | KAREL 3-14-41 | KANN F.K. | | MEG
HEAT TREAT | FINISH | DRAFT | CHECK | STRUCT | MAT | APPROV. | ENG
NAME BRACKET ASS'Y OIL DILUTION-SOLENOID
OPP. HAND —
DWG. SIZE B 28-0-5514
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R



PART №	L	NAME	CALC. WT.	ACT. WT.	
-0	42½	OIL PRESSURE	.45		
-3	27"	OIL PRESS. (L.NAC)	.30		
-4	43"	OIL PRESS. (R.NAC)	.46		
-5	29	FUEL PRESS. AUX. P.	.32		(C)
-6	8	OIL PRESS. AUX. P.W.R.	.11		
-7	37"	FUEL PRESSURE	.40		
-8	53"	FUEL PRESSURE	.56		(E)

LET	ALTERATION	DATE	BY
A	ADDED -5, -6 PARTS & NOTE	5-8-40	[illegible]
B	DECREASED -0 LGTH FROM 45" TO 42½" ADDED -3 & REQMTS; REMOVED -2 & REQMTS (WAS 38" LONG)	7-30-40	BILL
C	LENG. OF -5 -6 ADDED (REMOVE A NOTE	[illegible]	[illegible]
D	WAS "DV2812 OR EQUIV.	10-16-40	[illegible]
E	ADDED -8 ASSY. & PB2Y-3 REQ.	[illegible]	[illegible]
F	CH'D NOTE TO READ: TEMPERATURE TOLERANCE -35° TO +200° F WAS +275° F.	1-26-42	[illegible]
G	ADDED 4 REQUIRED (-3) FOR 29-0-3005 (PB2Y-3)	9-10-42	MASSEY

ASSY DASH No	MODEL	NEXT ASSY.	REQ.
-3	PB2Y-3	29-0-3005	4
-3	PB2Y-3	29-0-3000	4
-8	PB2Y-3	29-0-3001	4
-7	PB2Y-2	2961001	4
-6	PB2Y-2	29-0-1036	2
-5	PB2Y-2	2961004	2
-4	PBY-5A, B	28-0-5000	1EA
-3	PBY-5A, B	28-0-5000	1EA
-3, -4	ALL 28-5's	28-0-5000	1EA
-0	PB2Y-2	29-0-1000	4

REQUIREMENTS PER AIRPLANE

REPLACES — NOTED CALC. WT.
REPLACED BY — ACT. WT.
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5

PARTS LIST PER ASSY.

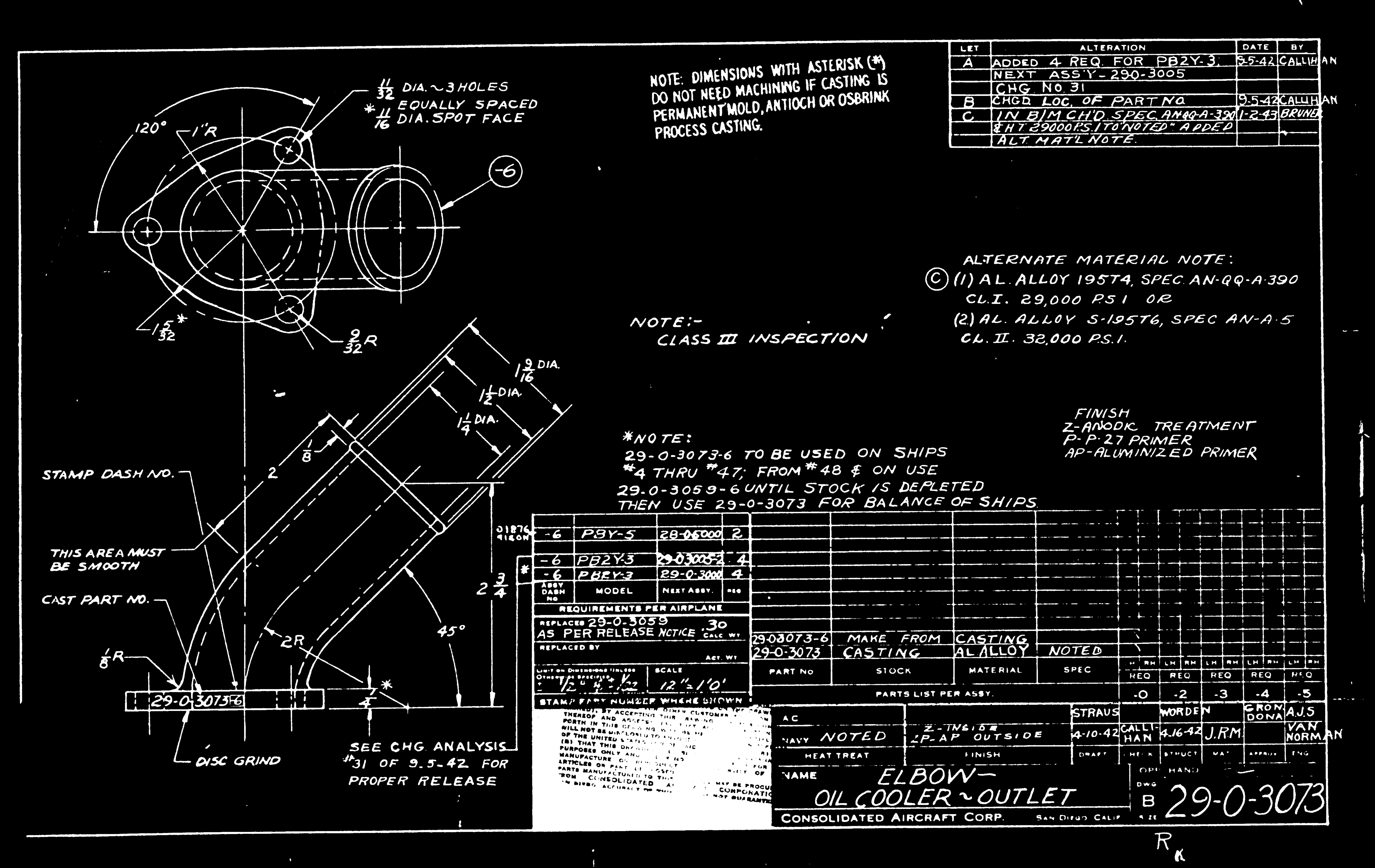
NOTE:
OIL & GAS HOSE
TEST PRESSURE = 450 LBS.
TEMPERATURE TOLERANCE -35° TO +200° F (F)
TESTED & GUARANTEED BY MANUFACTURER

A C
NAVY NOTED — HEAT TREAT
NOTED — FINISH
DRAFT 3-2-40 — CHECK 4-4-40 — STRUCT. — MAT. — APPROV. — ENG.
OPP. HAND

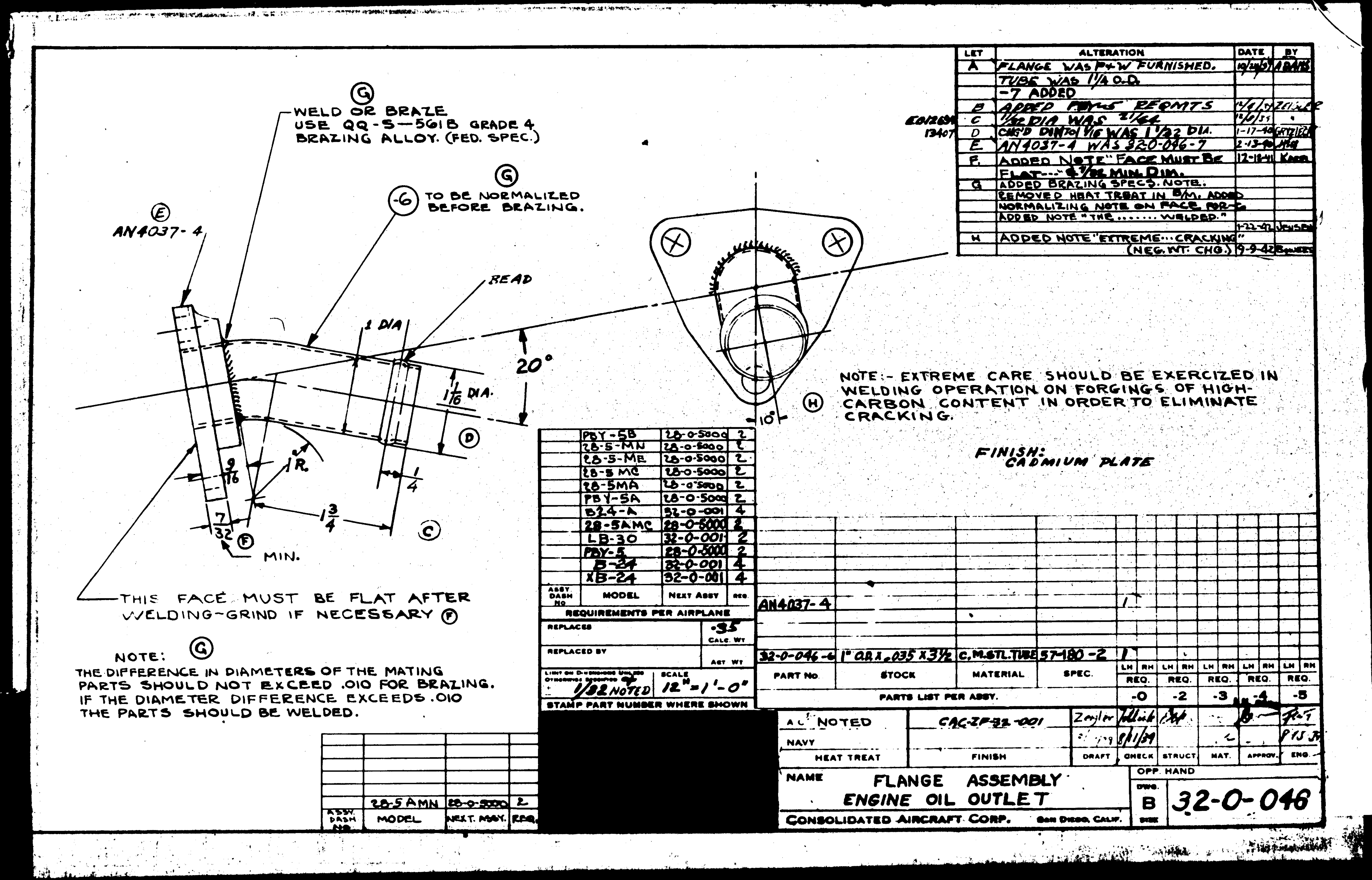
NAME: TUBE ASSEM. OIL - FLEXIBLE

DWG. SIZE B — 29-0-1028

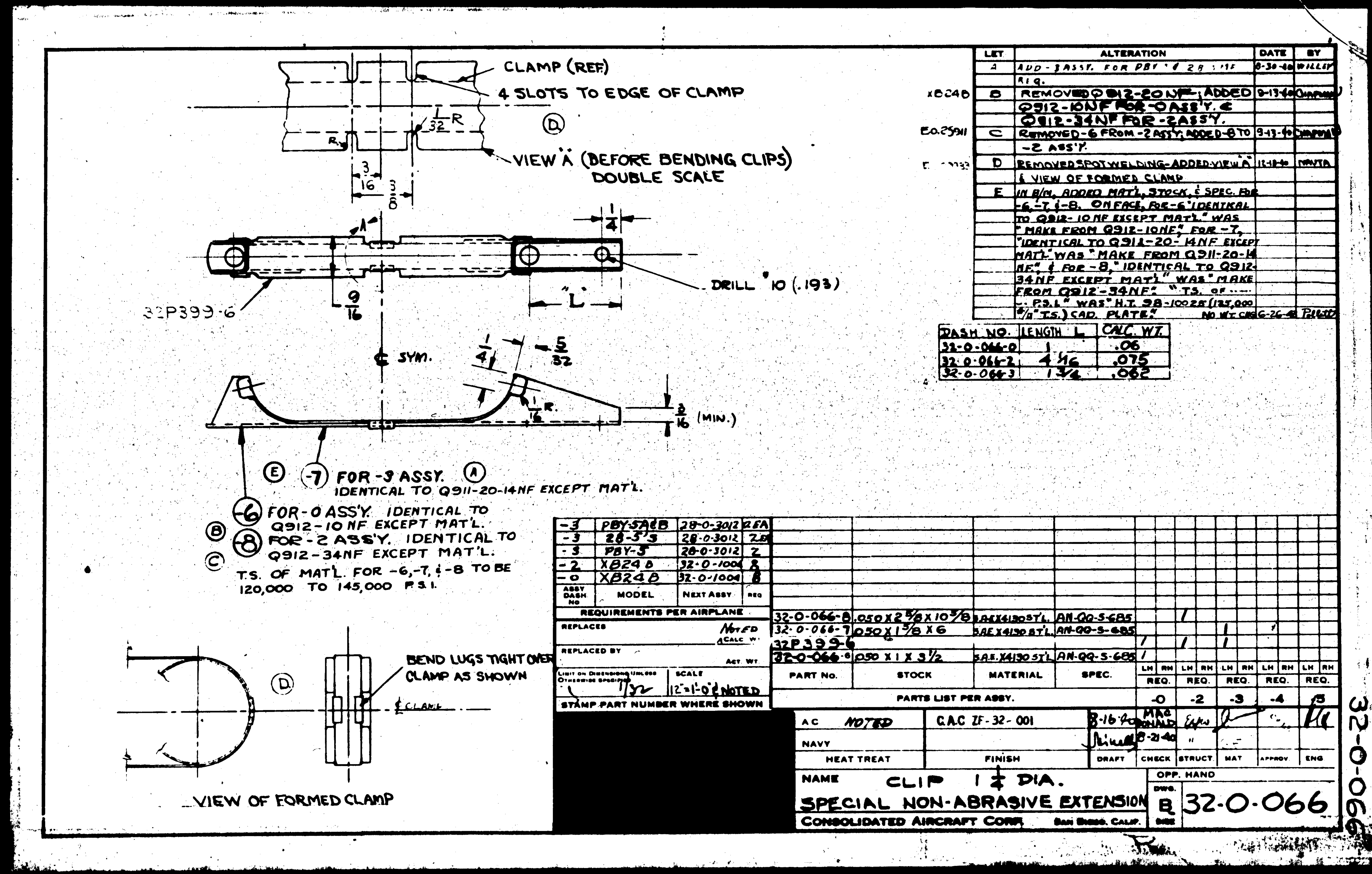
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



11/32 DIA. ~ 3 HOLES
EQUALLY SPACED
* 11/16 DIA. SPOT FACE
120°
1"R
-6
1 5/32 *
9/32 R
1 9/16 DIA.
1 1/2 DIA.
1 1/4 DIA.
1/8
2
STAMP DASH NO.
THIS AREA MUST BE SMOOTH
CAST PART NO.
1/8 R
2R
45°
2 3/4
1/4 *
29-0-3073-6
DISC GRIND
SEE CHG. ANALYSIS #31 OF 9-5-42 FOR PROPER RELEASE
NOTE: DIMENSIONS WITH ASTERISK (*) DO NOT NEED MACHINING IF CASTING IS PERMANENT MOLD, ANTIOCH OR OSBRINK PROCESS CASTING.
LET | ALTERATION | DATE | BY
A | ADDED 4 REQ. FOR PB2Y-3; NEXT ASS'Y - 29-0-3005 CHG. No. 31 | 5-5-42 | CALLIHAN
B | CHG'D. LOC. OF PART NO. | 9-5-42 | CALLIHAN
C | IN B/M CH'D. SPEC. AN-QQ-A-390 & HT 29000 P.S.I. TO "NOTED" ADDED ALT. MAT'L NOTE. | 1-2-43 | BRUNER
ALTERNATE MATERIAL NOTE:
(C) (1) AL. ALLOY 195T4, SPEC. AN-QQ-A-390 CL. I. 29,000 P.S.I. OR
(2) AL. ALLOY S-195T6, SPEC. AN-A-5 CL. II. 32,000 P.S.I.
NOTE:- CLASS III INSPECTION
FINISH
Z-ANODIC TREATMENT
P-P-27 PRIMER
AP-ALUMINIZED PRIMER
*NOTE:
29-0-3073-6 TO BE USED ON SHIPS #4 THRU #47; FROM #48 & ON USE 29-0-3059-6 UNTIL STOCK IS DEPLETED THEN USE 29-0-3073 FOR BALANCE OF SHIPS.
-6 | PBY-5 | 28-06000 | 2
-6 | PB2Y-3 | 29-0-3005-2 | 4
-6 | PBEY-3 | 29-0-3000 | 4
ASSY DASH NO | MODEL | NEXT ASSY. | REQ
REQUIREMENTS PER AIRPLANE
REPLACES 29-0-3059 AS PER RELEASE NOTICE
.30 CALC. WT
REPLACED BY
ACT. WT
SCALE 12" = 1'0"
STAMP PART NUMBER WHERE SHOWN
29-0-3073-6 | MAKE FROM CASTING | CASTING
29-0-3073 | CASTING | AL ALLOY | NOTED
PART No | STOCK | MATERIAL | SPEC
PARTS LIST PER ASSY.
REQ -0 -2 -3 -4 -5
A.C.
NAVY NOTED
HEAT TREAT
Z-INSIDE ZP-AP OUTSIDE
FINISH
STRAUS 4-10-42
CALLIHAN
WORDEN 4-16-42
J.R.M.
GRONDONA
A.J.S.
VAN NORMAN
DRAFT CHECK STRUCT MAT APPROV ENG
NAME ELBOW - OIL COOLER ~ OUTLET
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF
DWG SIZE B 29-0-3073

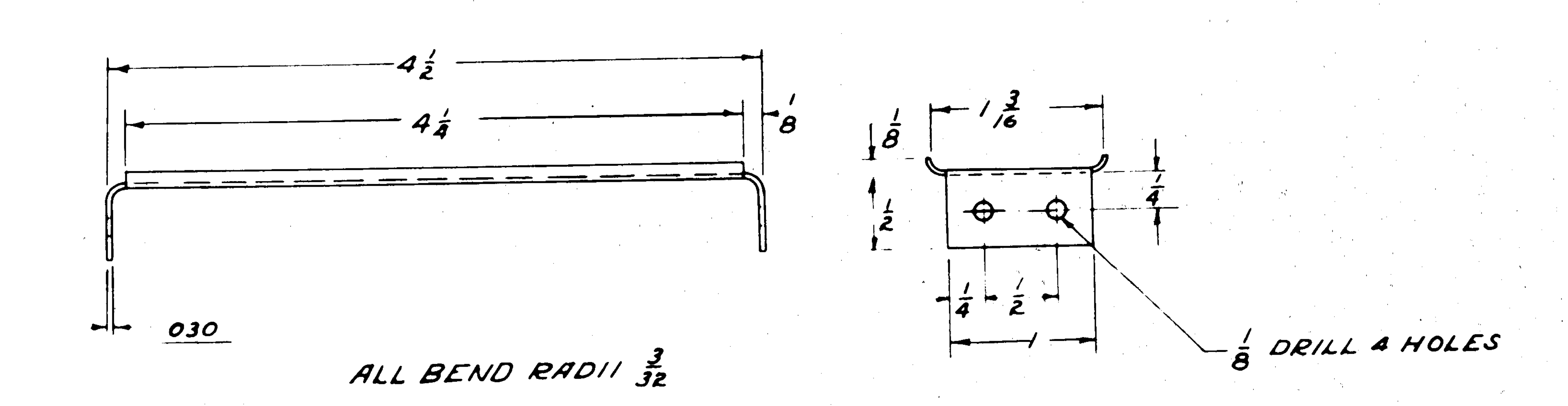


LET | ALTERATION | DATE | BY
A | FLANGE WAS P+W FURNISHED. TUBE WAS 1 1/4 O.D. -7 ADDED
B | ADDED PBY-5 REQMTS
C | 1/32 DIA WAS 21/64
D | CHG'D DIM. TO 1 1/16 WAS 1 1/32 DIA. | 1-17-40
E | AN4037-4 WAS 32-0-046-7 | 2-13-40
F | ADDED NOTE "FACE MUST BE FLAT---" MIN. DIA. | 12-18-41
G | ADDED BRAZING SPECS. NOTE. REMOVED HEAT TREAT IN B/M. ADDED NORMALIZING NOTE ON FACE FOR -6 ADDED NOTE "THE .... WELDED." | 1-22-42
H | ADDED NOTE "EXTREME ... CRACKING" (NEG. WT. CHG.) | 9-9-42
WELD OR BRAZE
USE QQ-S-561B GRADE 4
BRAZING ALLOY. (FED. SPEC.)
-6 TO BE NORMALIZED BEFORE BRAZING.
AN4037-4
BEAD
1 DIA
20°
1 1/16 DIA.
9/16
1 R.
1/4
1 3/4
7/32 MIN.
10°
NOTE:- EXTREME CARE SHOULD BE EXERCIZED IN WELDING OPERATION ON FORGINGS OF HIGH-CARBON CONTENT IN ORDER TO ELIMINATE CRACKING.
FINISH: CADMIUM PLATE
THIS FACE MUST BE FLAT AFTER WELDING-GRIND IF NECESSARY
NOTE:
THE DIFFERENCE IN DIAMETERS OF THE MATING PARTS SHOULD NOT EXCEED .010 FOR BRAZING. IF THE DIAMETER DIFFERENCE EXCEEDS .010 THE PARTS SHOULD BE WELDED.
PBY-5B | 28-0-5000 | 2
28-5-MN | 28-0-5000 | 2
28-5-ME | 28-0-5000 | 2
28-5MC | 28-0-5000 | 2
28-5MA | 28-0-5000 | 2
PBY-5A | 28-0-5000 | 2
B24-A | 32-0-001 | 4
28-5AMC | 28-0-5000 | 2
LB-30 | 32-0-001 | 2
PBY-5 | 28-0-5000 | 2
B-24 | 32-0-001 | 4
XB-24 | 32-0-001 | 4
28-5AMN | 28-0-5000 | 2
ASSY. DASH NO | MODEL | NEXT ASSY | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES | .35 CALC. WT
REPLACED BY | ACT. WT
1/32 NOTED | SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
AN4037-4 | 1
32-0-046-6 | 1" O.D. x .035 x 3 1/2 | C.M.STL.TUBE | 57-180-2 | 1
PART NO. | STOCK | MATERIAL | SPEC. | LH RH REQ.
PARTS LIST PER ASSY. | -0 | -2 | -3 | -4 | -5
AC NOTED | CAC-ZF-32-001
NAVY
HEAT TREAT | FINISH | DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
8/1/39
OPP. HAND
NAME FLANGE ASSEMBLY ENGINE OIL OUTLET
DWG. B 32-0-046
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



CLAMP (REF.)
4 SLOTS TO EDGE OF CLAMP
VIEW "A" (BEFORE BENDING CLIPS) DOUBLE SCALE
DRILL #10 (.193)
32P399-6
℄ SYM.
(MIN.)
FOR -3 ASSY.
IDENTICAL TO Q911-20-14NF EXCEPT MAT'L.
FOR-0 ASS'Y. IDENTICAL TO Q912-10NF EXCEPT MAT'L.
FOR-2 ASS'Y. IDENTICAL TO Q912-34NF EXCEPT MAT'L.
T.S. OF MAT'L. FOR -6,-7, & -8 TO BE 120,000 TO 145,000 P.S.I.
BEND LUGS TIGHT OVER CLAMP AS SHOWN
℄ CLAMP
VIEW OF FORMED CLAMP
LET
ALTERATION
DATE
BY
XB24B
REMOVED Q912-20NF; ADDED Q912-10NF FOR-0 ASS'Y. & Q912-34NF FOR-2 ASS'Y.
REMOVED-6 FROM -2 ASS'Y; ADDED-8 TO -2 ASS'Y.
REMOVED SPOT WELDING-ADDED VIEW "A" & VIEW OF FORMED CLAMP
DASH NO.
LENGTH "L"
CALC. WT.
32-0-066-0
.06
32-0-066-2
4 1/16
.075
32-0-066-3
1 3/4
.062
PBY-5A&B
28-0-3012
28-5'3
PBY-5
XB24B
32-0-1004
ASSY DASH NO
MODEL
NEXT ASSY
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
REPLACED BY
SCALE
12"=1'-0" & NOTED
STAMP PART NUMBER WHERE SHOWN
32-0-066-8
.050 X 2 5/8 X 10 5/8
32-0-066-7
.050 X 1 5/8 X 6
32P399-6
32-0-066-6
.050 X 1 X 3 1/2
AN-QQ-S-685
PART NO.
STOCK
MATERIAL
SPEC.
REQ.
PARTS LIST PER ASSY.
AC
NOTED
C.A.C. ZF-32-001
NAVY
HEAT TREAT
FINISH
DRAFT
CHECK
STRUCT.
MAT
APPROV.
ENG
OPP. HAND
NAME
CLIP 1 1/4 DIA.
SPECIAL NON-ABRASIVE EXTENSION
DWG. SIZE
B
32-0-066
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
32-0-066

SUPPLIES & EQUIPMENT CLASSIFICATION		[redacted]	
LET	ALTERATION	DATE	BY
D	TRACED TO DATE	2-10-37	REINSCH
E	MATERIAL CH'GD FROM 24SO TO 24ST.	7-6-37	SUGG



FINISH:
ANODIZE, P27 PRIMER,
2 DULL BLACK ENAMEL

O.H.	MODEL	NEXT ASSY	REQ.
	PBY-5A	28P1050	1
	PBY-5B	28P1050	1
	PBY-4	28P1050	
	PBY-3	28P1050	
	PBY-2	28P1050	
	PBY-1	28P1050	

REQUIREMENTS PER AIRPLANE

ST'D PARTS	REQ. LH	REQ. RH	PART NO.	REQ LH	REQ RH

MAT — PARTS LIST PER ASSY.

REPLACES

REPLACED BY

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64

[redacted]

APPROVED L.C.W. DATE 11-4-35

CALC WT. .023 ACT WT

SCALE 12" = 1'-0"

AC

MATERIAL	SPEC	HEAT TREAT	FINISH
NAVY ALUM. ALLOY 24 ST	47A10 COND. T	NONE	Z-P-2 D B E

DRAFT	CHECK	EXAM	ENG
3-20-34	[signature]	MILLER	
C.W.M.	2-11-37		

CONSOLIDATED AIRCRAFT CORP.
BUFFALO N.Y.

STAMP PT. No. WHERE SHOWN

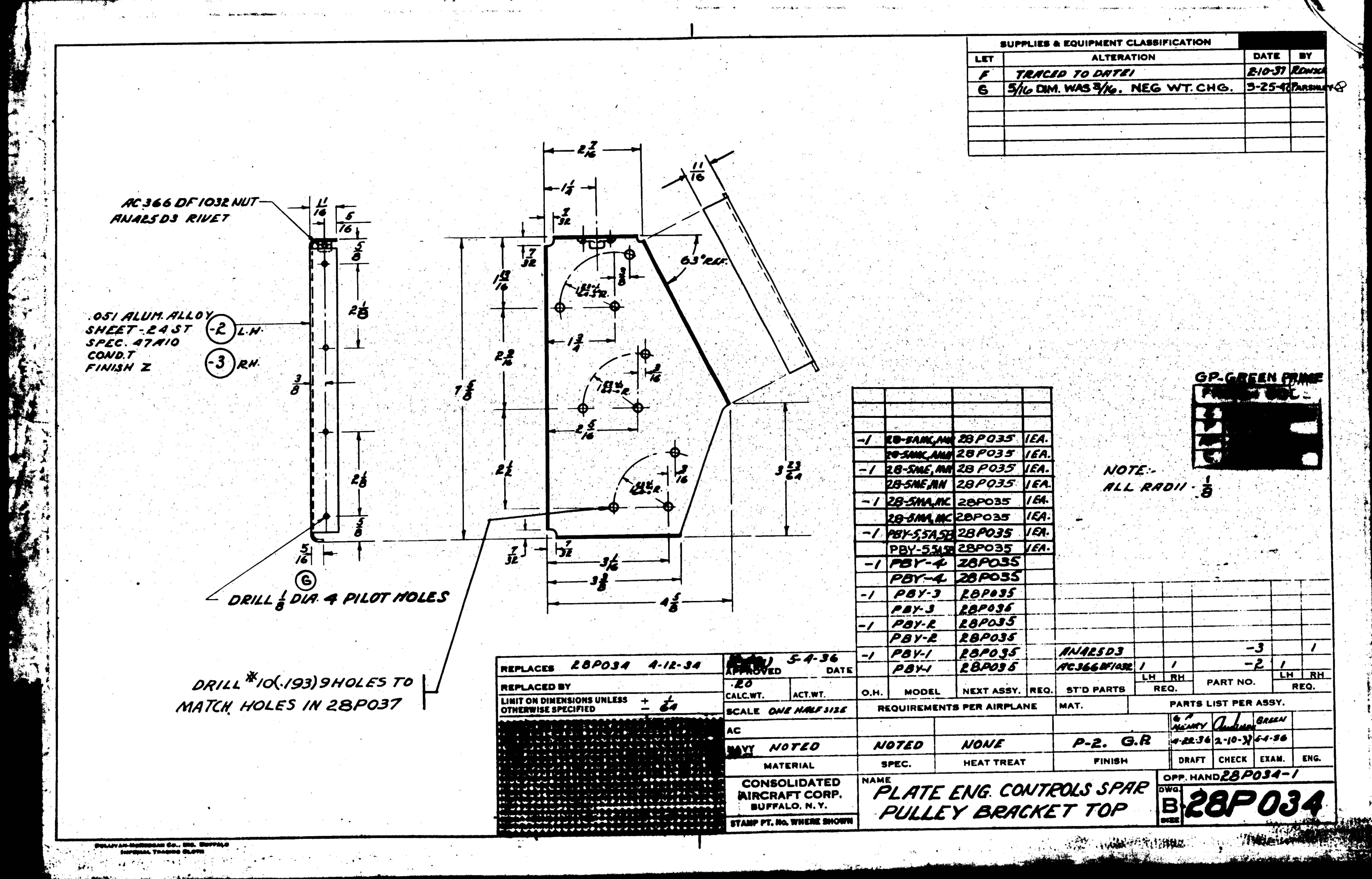
NAME GUARD-ENG. CONTROLS-CONTROL UNIT FRONT

OPP HAND

DWG SIZE B 28P027

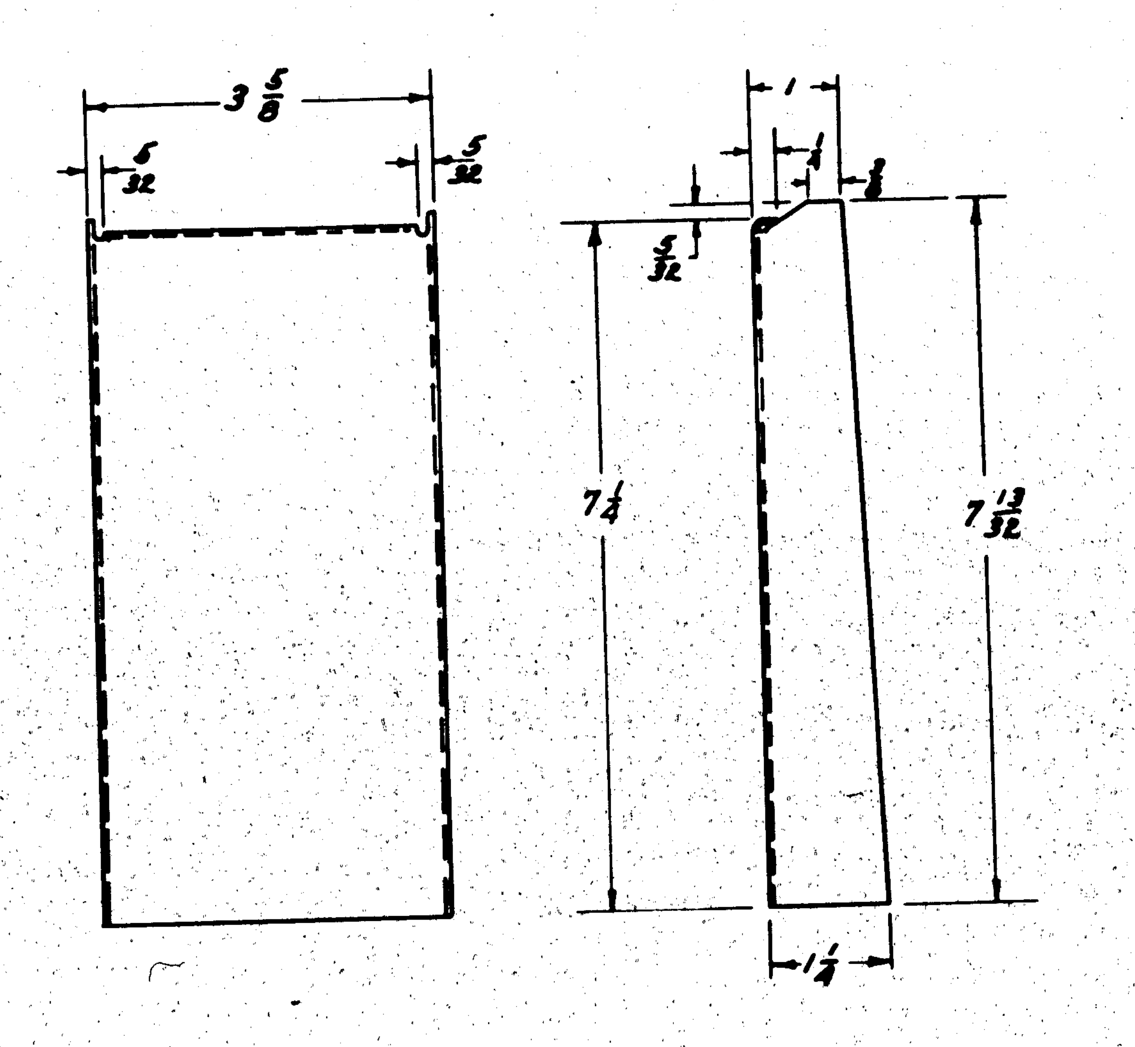
28P027

R



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
F | TRACED TO DATE! | 2-10-37
G | 5/16 DIM. WAS 3/16. NEG WT. CHG. | 3-25-4
AC 366 DF 1032 NUT
AN 425 D3 RIVET
.051 ALUM. ALLOY SHEET-24 ST SPEC. 47A10 COND. T FINISH Z
-2 L.H.
-3 R.H.
63° REF.
GP-GREEN PRIME
NOTE:- ALL RADII - 1/8
DRILL 1/8 DIA. 4 PILOT HOLES
DRILL #10 (.193) 9 HOLES TO MATCH HOLES IN 28P037
-1 | 28-5AMC,MN | 28P035 | 1 EA.
28-5AMC,AMN | 28P035 | 1 EA.
-1 | 28-5ME,MN | 28P035 | 1 EA.
28-5ME,MN | 28P035 | 1 EA.
-1 | 28-5MA,MC | 28P035 | 1 EA.
28-5MA,MC | 28P035 | 1 EA.
-1 | PBY-5,5A,5B | 28P035 | 1 EA.
PBY-5,5A,5B | 28P035 | 1 EA.
-1 | PBY-4 | 28P035
PBY-4 | 28P035
-1 | PBY-3 | 28P035
PBY-3 | 28P036
-1 | PBY-2 | 28P035
PBY-2 | 28P035
-1 | PBY-1 | 28P035 | AN 425 D3 | -3 | 1
PBY-1 | 28P036 | AC 366 DF 1032 | 1 | 1 | -2 | 1
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH | RH | REQ. | PART NO. | LH | RH | REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES 28P034 4-12-34
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64
APPROVED 5-4-36 DATE
.20 CALC. WT. | ACT. WT.
SCALE ONE HALF SIZE
AC
NAVY NOTED | NOTED | NONE | P-2. G.R
MATERIAL | SPEC. | HEAT TREAT | FINISH
4-22-36 | 2-10-37 | 5-4-36
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME PLATE ENG. CONTROLS SPAR PULLEY BRACKET TOP
OPP. HAND 28P034-1
DWG. B SIZE 28P034

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
E	TRACED TO DATE	2-10-37	RONSER



NOTE:-
ALL RADII - 3/32

GP-GREEN PRIME

FINISH CODE	
Z	[illegible]
P	[illegible]
AP	[illegible]
C	[illegible]

O.H.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.
	PBY-5A	28P036	1						
	PBY-5B	28P036	1						
	PBY-4	28P036							
	PBY-3	28P036							
	PBY-2	28P036							
	PBY-1	28P036							
REQUIREMENTS PER AIRPLANE				MAT.	PARTS LIST PER ASSY.				

REPLACES 28P039 4-6-34

REPLACED BY

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64

[illegible] 5-4-36
APPROVED DATE

.18 CALC.WT. | ACT.WT.

SCALE ONE HALF SIZE

MATERIAL	SPEC.	HEAT TREAT	FINISH
AC			
NAVY .081 ALUM. ALLOY SHEET 24ST	ATMO. COND'T	—	Z-P-[illegible] GP

DRAFT	CHECK	EXAM.	ENG.
G.H. HENRY	[illegible]	GREEN	
4-22-36	2-11-37	5-4-36	

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N. Y.

STAMP PT. No. WHERE SHOWN

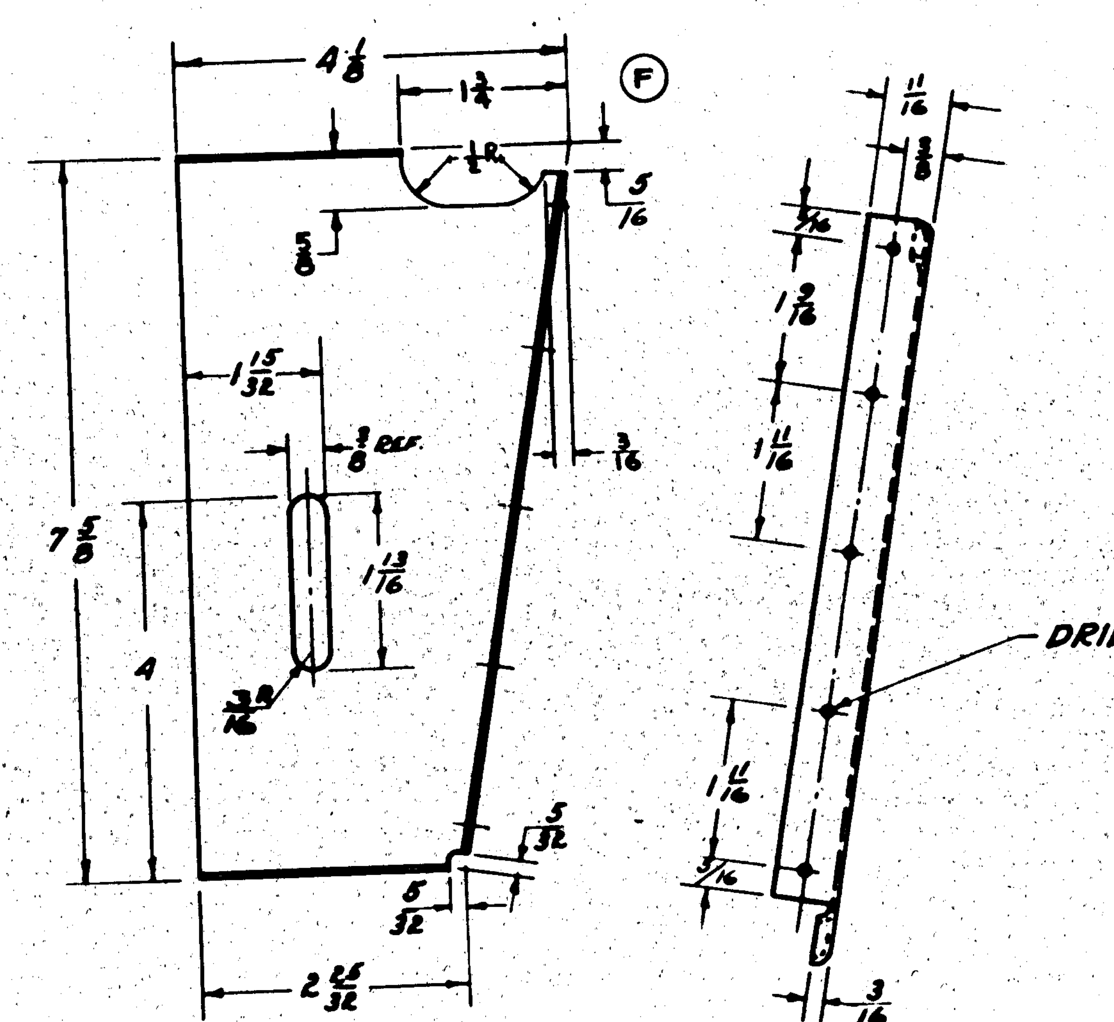
NAME CHANNEL-ENG. CONTROLS SPAR PULLEY BRACKET

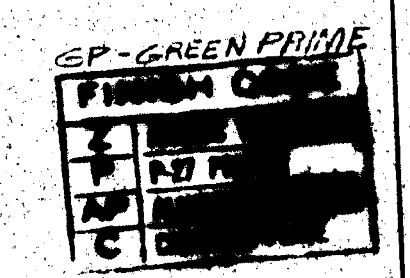
OPP. HAND

SIZE B DWG. 28P039

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
E	TRACED TO DATE	2-11-37	RONSON
F	REM'D DIM 1 3/16 & ADDED DIM'S 1 3/4, 5/8, 3/16, & 1/2 R. NO WT. CHG.	1-1-43	BAGGALEY

E.O. A91957





NOTE:- ALL RADII - 1/8

O.H.	MODEL	NEXT ASSY.	REQ.
L/R	28-5MA(AMA	28P036	1 EA.
L/R	28-5MC(AMC	28P036	1 EA.
L/R	28-5MA(ME	28P036	1 EA.
L/R	PBY-5	28P036	1 EA.
L/R	PBY-5A	28P036	1 EA.
L/R	PBY-5B	28P036	1 EA.
-1	PBY-4	28P036	
	PBY-4	28P036	
-1	PBY-3	28P036	
	PBY-3	28P036	
-1	PBY-2	28P036	
	PBY-2	28P036	
-1	PBY-1	28P036	
	PBY-1	28P036	

REQUIREMENTS PER AIRPLANE

ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.

MAT. — PARTS LIST PER ASSY.

REPLACES 28P040 4-6-36

REPLACED BY

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64

APPROVED [redacted] 5-4-36 DATE

CALC. WT. .17 — ACT. WT.

SCALE ONE HALF SIZE

AC

NAVY .051 [illegible] SHEET 24ST — MATERIAL

SPEC. 47A10 Cond'T

HEAT TREAT

FINISH Z-P-2 GP

DRAFT	CHECK	EXAM.	ENG.
G.A. Money	[signature]	Green	
4-23-36	2-11-37	5-4-36	

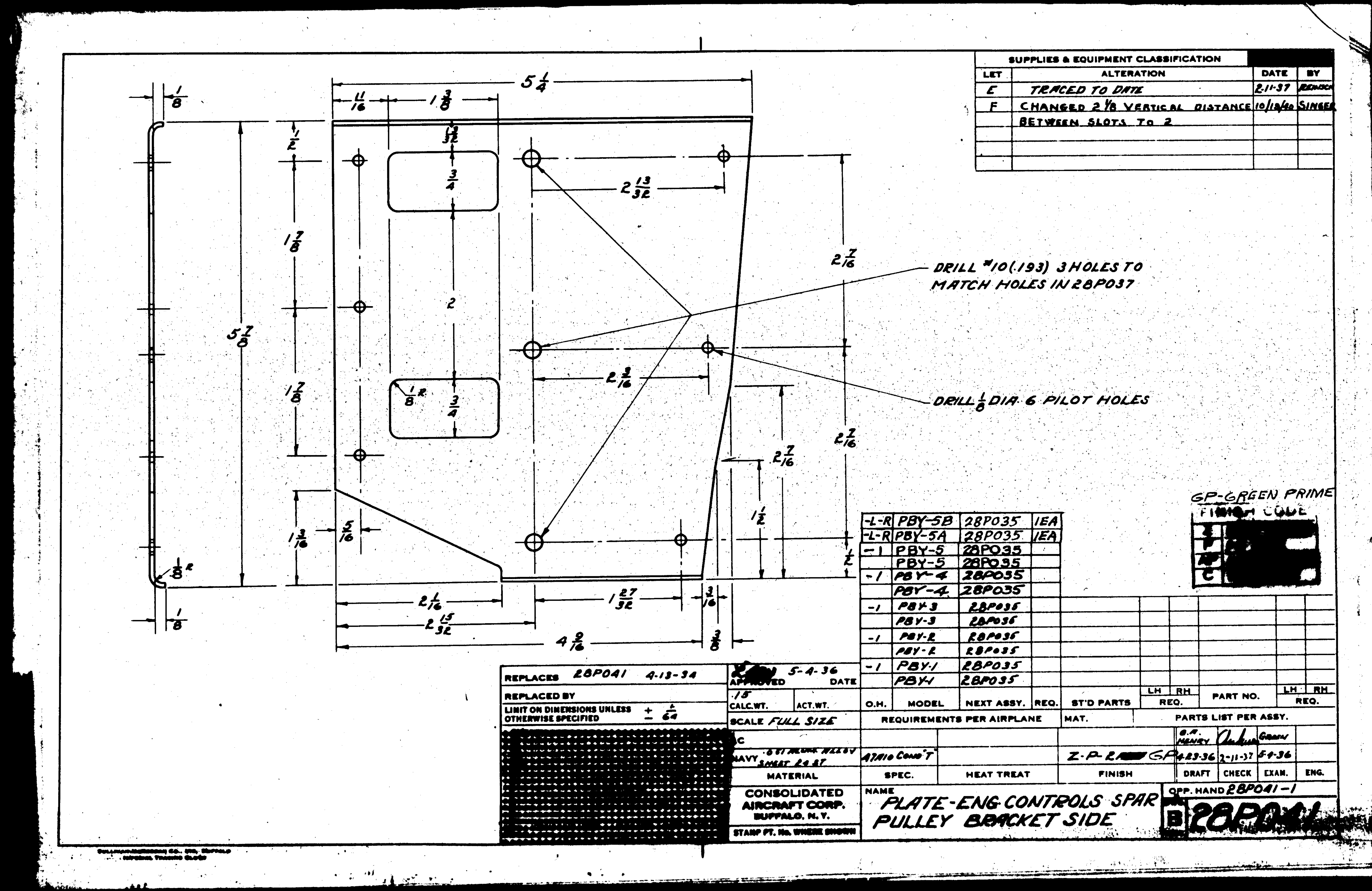
OPP. HAND 28P040-1

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

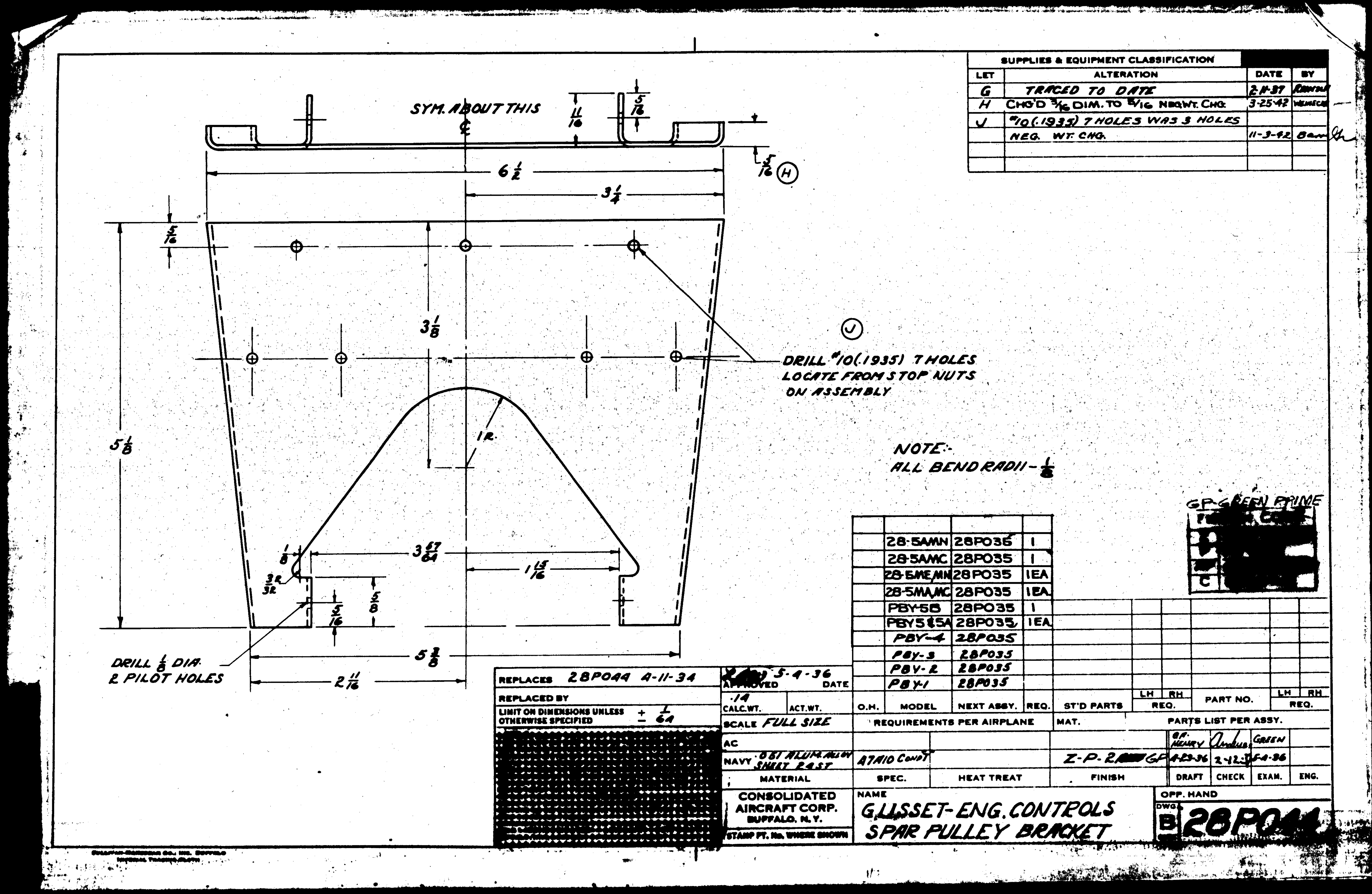
STAMP PT. No. WHERE SHOWN

NAME PLATE-ENG. CONTROLS SPAR PULLEY BRACKET

DWG. SIZE B — 28P040

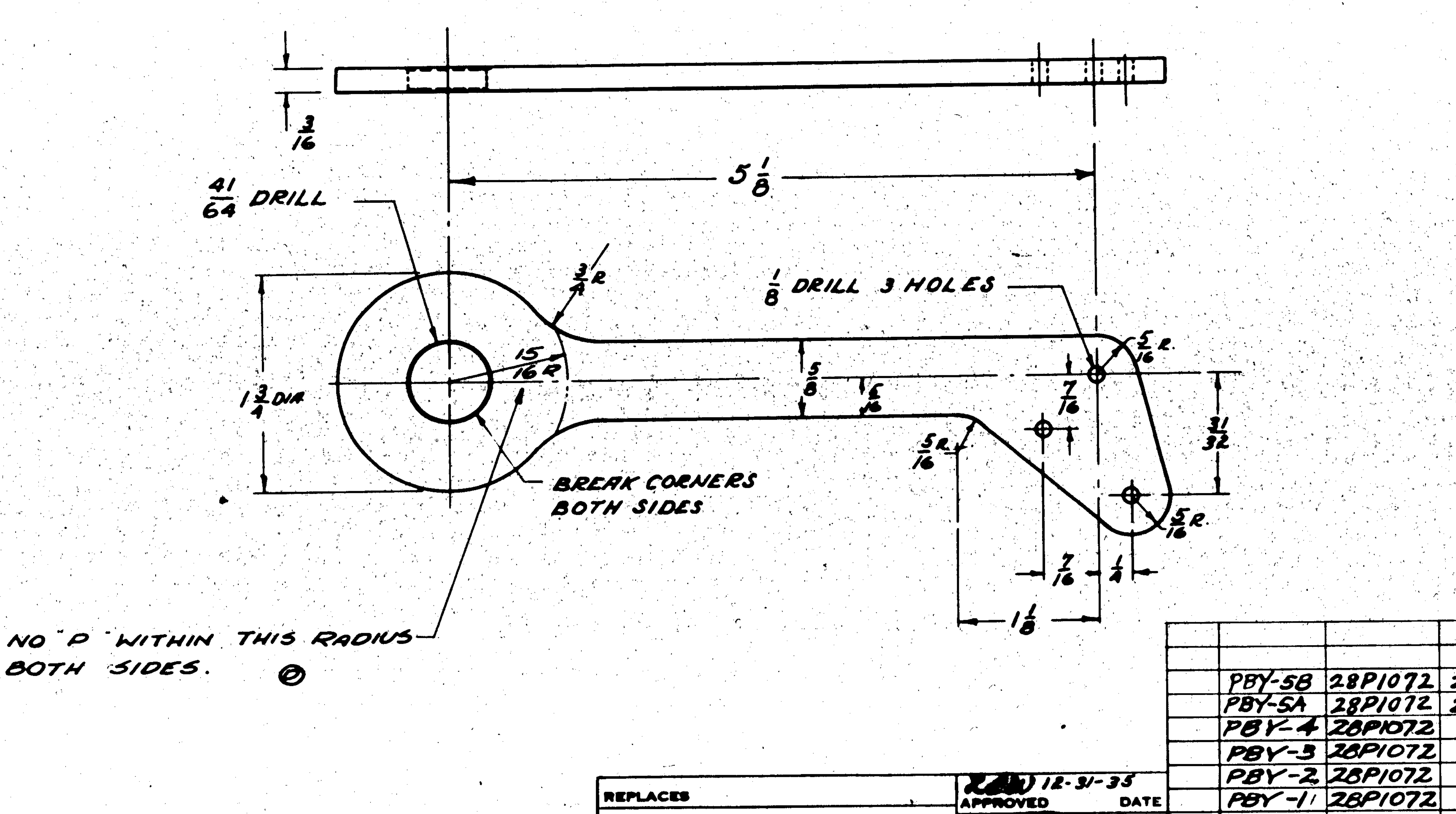


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
E | TRACED TO DATE | 2-11-37
F | CHANGED 2 1/8 VERTICAL DISTANCE BETWEEN SLOTS TO 2 | 10/18/40 | SINGER
DRILL #10(.193) 3 HOLES TO MATCH HOLES IN 28P037
DRILL 1/8 DIA. 6 PILOT HOLES
GP-GREEN PRIME
FINISH CODE
[redacted]
-L-R PBY-5B 28P035 1EA
-L-R PBY-5A 28P035 1EA
-1 PBY-5 28P035
PBY-5 28P035
-1 PBY-4 28P035
PBY-4 28P035
-1 PBY-3 28P036
PBY-3 28P036
-1 PBY-2 28P036
PBY-2 28P035
-1 PBY-1 28P035
PBY-1 28P035
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES 28P041 4-13-34
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64
5-4-36
APPROVED DATE
.15
CALC.WT. ACT.WT.
SCALE FULL SIZE
NAVY
MATERIAL
47A10 COND "T"
SPEC.
HEAT TREAT
Z-P-2 GP
FINISH
G.A. HENRY GREEN
4-23-36 2-11-37 5-4-36
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
PLATE-ENG. CONTROLS SPAR PULLEY BRACKET SIDE
OPP. HAND 28P041-1
B 28P041
SCALE FULL SIZE



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
G | TRACED TO DATE | 2-11-37
H | CHG'D 3/16 DIM. TO 5/16 NEG.WT. CHG. | 3-25-42
J | #10(.1935) 7 HOLES WAS 3 HOLES
NEG. WT. CHG. | 11-3-42
SYM. ABOUT THIS ℄
6 1/2
3 1/4
3 1/8
5 1/8
1R.
DRILL #10(.1935) 7 HOLES
LOCATE FROM STOP NUTS
ON ASSEMBLY
NOTE:-
ALL BEND RADII - 1/8
3 57/64
1 15/16
3/32 R
5/8
5/16
5 3/8
2 11/16
DRILL 1/8 DIA.
2 PILOT HOLES
GP-GREEN PRIME
[redacted]
28-5AMN | 28P035 | 1
28-5AMC | 28P035 | 1
28-5ME,MN | 28P035 | 1EA
28-5MA,MC | 28P035 | 1EA
PBY-5B | 28P035 | 1
PBY5 & 5A | 28P035 | 1EA
PBY-4 | 28P035
PBY-3 | 28P035
PBY-2 | 28P035
PBY-1 | 28P035
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH | RH | REQ. | PART NO. | LH | RH | REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES 28P044 A-11-34
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64
5-4-36
APPROVED DATE
.14
CALC.WT. | ACT.WT.
SCALE FULL SIZE
AC
NAVY .051 ALUM. ALLOY SHEET 24ST | A7A10 COND'T | Z-P-2 GP | 4-23-36 | 2-12-36 | 5-4-36
MATERIAL | SPEC. | HEAT TREAT | FINISH | DRAFT | CHECK | EXAM. | ENG.
HENRY | GREEN
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
GUSSET-ENG. CONTROLS SPAR PULLEY BRACKET
OPP. HAND
DWG. B 28P044

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
C	TRACED TO DATE	2-11-37	[illegible]
D	ADDED NOTE	6-8-37	[illegible]



F [redacted] C

O.H.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS	REQ. LH	REQ. RH	PART NO.	REQ. LH	REQ. RH
	PBY-5B	28P1072	2						
	PBY-5A	28P1072	2						
	PBY-4	28P1072							
	PBY-3	28P1072							
	PBY-2	28P1072							
	PBY-1	28P1072							
REQUIREMENTS PER AIRPLANE				MAT.			PARTS LIST PER ASSY.		

REPLACES	
REPLACED BY	
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	± .010

[illegible] 12-31-35	
APPROVED	DATE
.128	
CALC. WT.	ACT. WT.
SCALE 12 IN. = 1 FT.	
AQ	

NAVY AL. ALLOY	17 ST. COND "T"	NONE	Z-P
MATERIAL	SPEC.	HEAT TREAT	FINISH

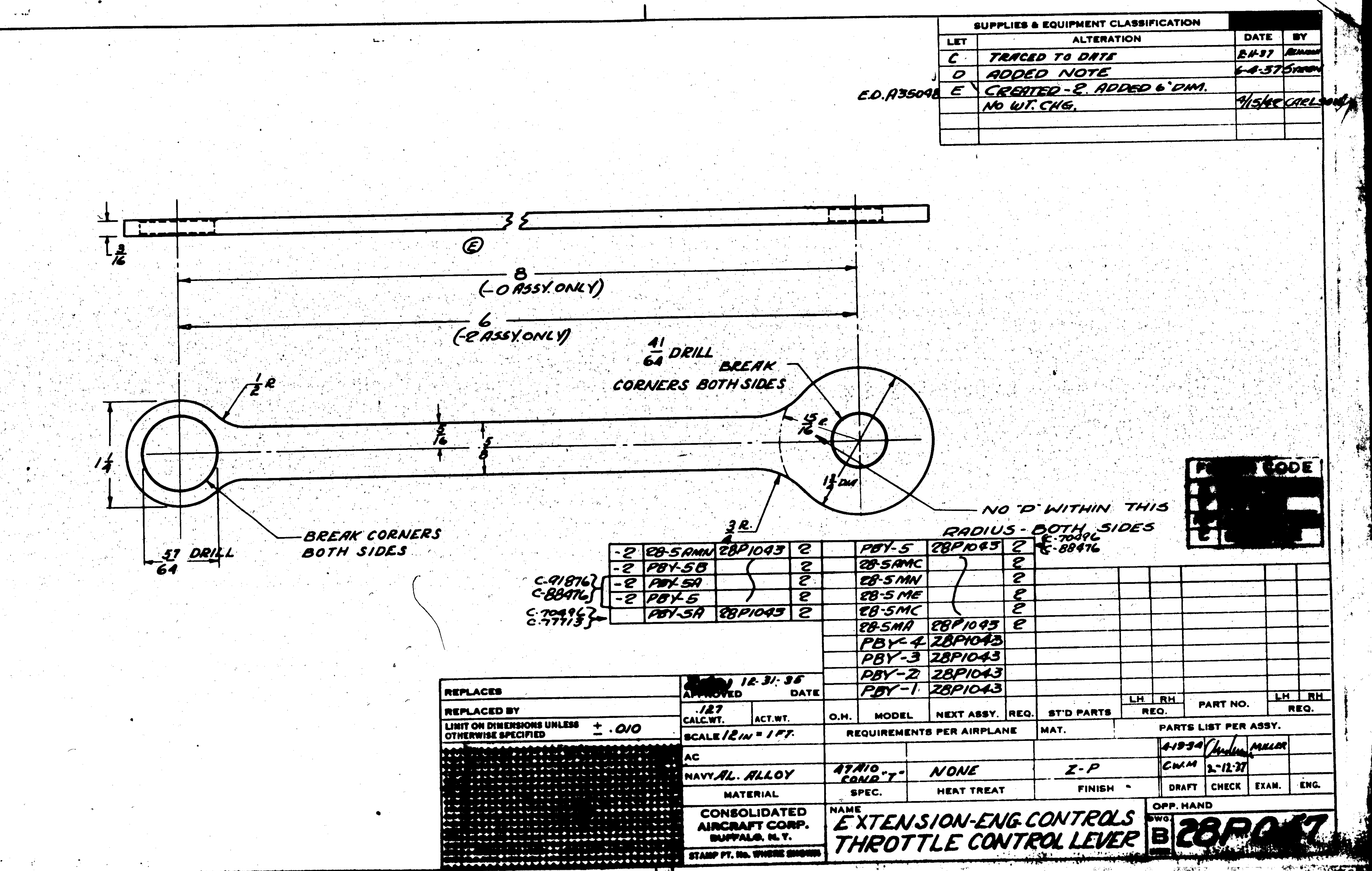
4-19-34	[illegible]	MILLER	
C.W.M.	2-12-37		
DRAFT	CHECK	EXAM.	ENG.

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N. Y.
STAMP PT. No. WHERE SHOWN

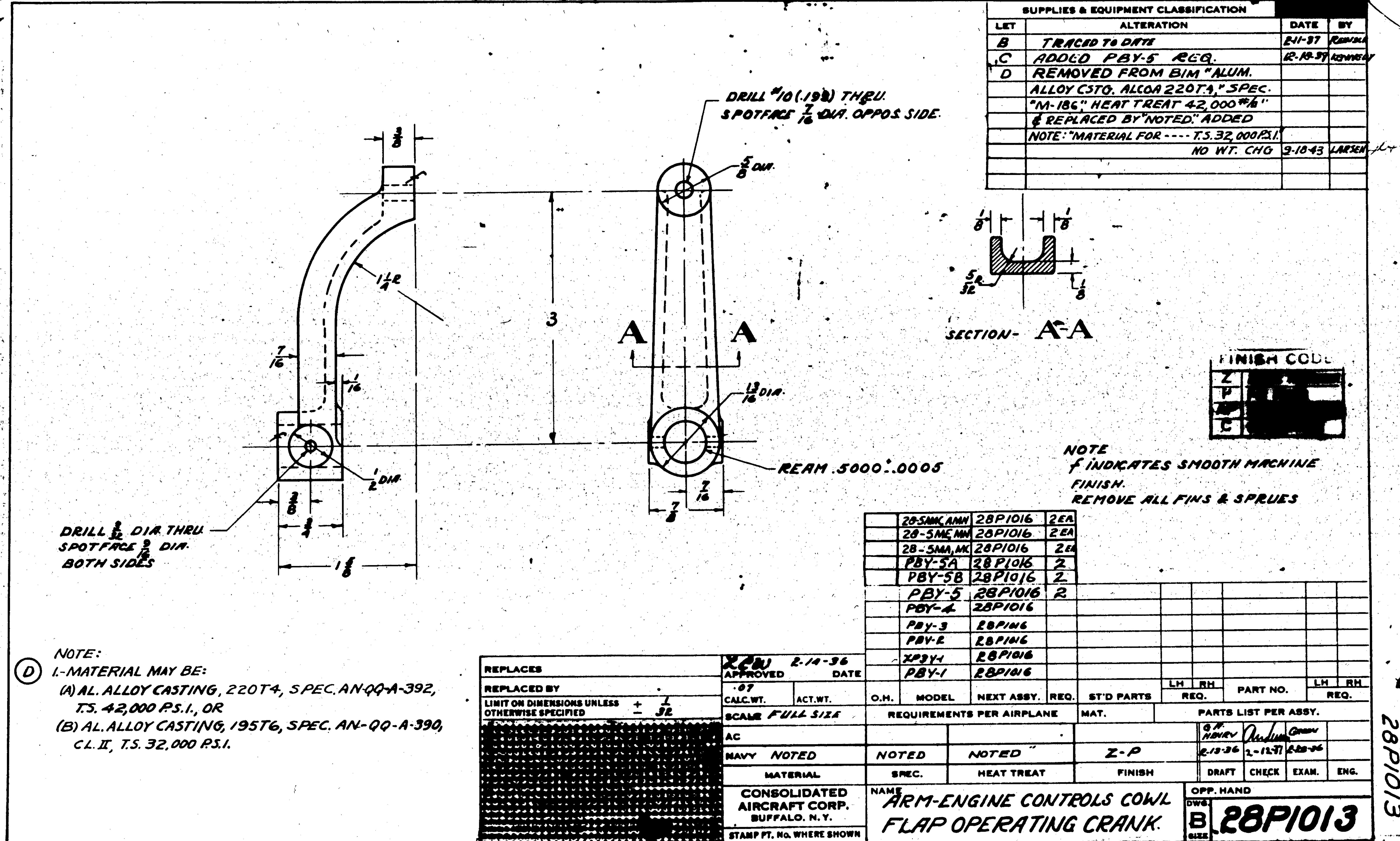
NAME LEVER - ENG. CONTROLS THROTTLE CONTROL

OPP. HAND

DWG. SIZE B 28P056



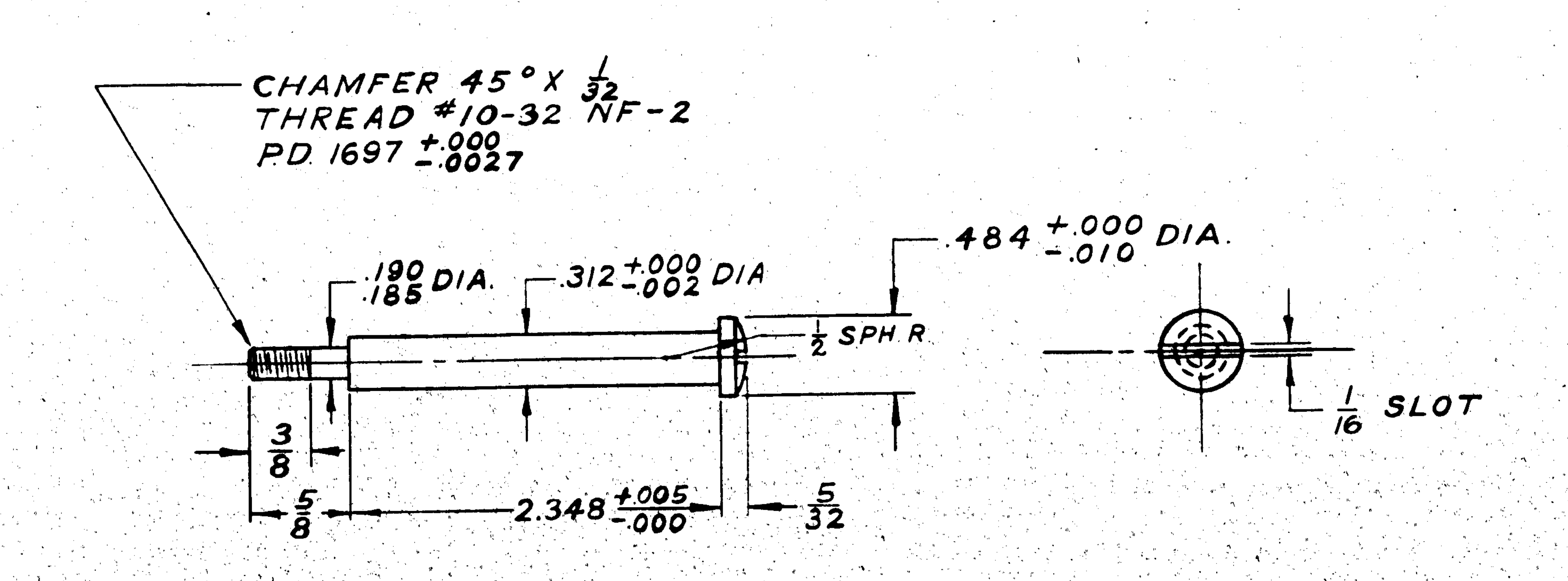
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C | TRACED TO DATE | 8-11-37
D | ADDED NOTE | 6-4-37
E | CREATED -2. ADDED 6" DIM. NO WT. CHG. | 4/15/42 | CARLSON
E.D. A35098
3/16
Ⓔ
8 (-0 ASSY. ONLY)
6 (-2 ASSY. ONLY)
41/64 DRILL
BREAK CORNERS BOTH SIDES
1/2 R
5/16
5/8
15/16 R
1 1/4
1 1/2 DIA
NO "D" WITHIN THIS RADIUS - BOTH SIDES
3/4 R.
57/64 DRILL
BREAK CORNERS BOTH SIDES
-2 | 28-5AMN | 28P1043 | 2
-2 | PBY-5B | | 2
-2 | PBY-5A | | 2
-2 | PBY-5 | | 2
PBY-5A | 28P1043 | 2
C-91876
C-88476
C-70496
C-77713
PBY-5 | 28P1043 | 2
28-5AMC | | 2
28-5MN | | 2
28-5ME | | 2
28-5MC | | 2
28-5MA | 28P1043 | 2
PBY-4 | 28P1043
PBY-3 | 28P1043
PBY-2 | 28P1043
PBY-1 | 28P1043
C-70496
C-88476
[redacted] CODE
[redacted]
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
[redacted] 12-31-35
APPROVED DATE
.127 CALC. WT.
ACT. WT.
SCALE 12 IN = 1 FT.
O.H. | MODEL | NEXT ASSY. | REQ.
ST'D PARTS
LH RH REQ.
PART NO.
LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
AC
NAVY AL. ALLOY
MATERIAL
47A10 COND "T"
SPEC.
NONE
HEAT TREAT
Z-P
FINISH
4-19-34
MILLER
CWM
2-12-37
DRAFT | CHECK | EXAM. | ENG.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
EXTENSION-ENG. CONTROLS
THROTTLE CONTROL LEVER
DWG. B 28P0



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B | TRACED TO DATE | 2-11-37
C | ADDED PBY-5 REQ. | 12-19-39
D | REMOVED FROM BIM "ALUM. ALLOY CSTG. ALCOA 220T4," SPEC. "M-186," HEAT TREAT 42,000#/□" & REPLACED BY "NOTED." ADDED NOTE: "MATERIAL FOR ---- T.S. 32,000 P.S.I." NO WT. CHG | 9-18-43 | LARSEN
DRILL #10 (.193) THRU. SPOTFACE 7/16 DIA. OPPOS. SIDE.
3/8
5/8 DIA.
1 1/4 R
3
A
A
SECTION- A-A
1/8
1/8
5/32 R
1/8
FINISH CODE
Z
P
C
[redacted]
7/16
1/16
13/16 DIA.
REAM .5000 +.0005
1/2 DIA.
3/8
3/4
1 5/8
7/16
7/8
DRILL 3/32 DIA. THRU. SPOTFACE 9/16 DIA. BOTH SIDES
NOTE
ƒ INDICATES SMOOTH MACHINE FINISH.
REMOVE ALL FINS & SPRUES
28-5MA, AMN | 28P1016 | 2 EA
28-5ME, MN | 28P1016 | 2 EA
28-5MA, MK | 28P1016 | 2 EA
PBY-5A | 28P1016 | 2
PBY-5B | 28P1016 | 2
PBY-5 | 28P1016 | 2
PBY-4 | 28P1016
PBY-3 | 28P1016
PBY-2 | 28P1016
XP3Y-1 | 28P1016
PBY-1 | 28P1016
NOTE:
(D) 1.-MATERIAL MAY BE:
(A) AL. ALLOY CASTING, 220T4, SPEC. AN-QQ-A-392, T.S. 42,000 P.S.I., OR
(B) AL. ALLOY CASTING, 195T6, SPEC. AN-QQ-A-390, CL. II, T.S. 32,000 P.S.I.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
APPROVED 2-14-36 DATE
.07 CALC. WT.
ACT. WT.
O.H. | MODEL | NEXT ASSY. | REQ. | STD PARTS | LH RH REQ. | PART NO. | LH RH REQ.
SCALE FULL SIZE
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
AC
NAVY NOTED | NOTED | NOTED | Z-P
MATERIAL | SPEC. | HEAT TREAT | FINISH
2-13-36 | 2-12-36 | 2-20-36
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME ARM-ENGINE CONTROLS COWL FLAP OPERATING CRANK.
OPP. HAND
DWG. SIZE B
28P1013
28P1013

28P1015

LET	ALTERATION	DATE	BY
G	TRACED NO WT CHG	10-19-43	WYATT



NOTE:

ALTERNATE MATERIAL FOR -6

(1) S.A.E. X4130 SPEC AN-QQ-S-684 COND. F4, 90000-125000 PSI., OR,

(2) NE 8735 SPEC AN-S-15. 90000-125000 PSI.

FINISH FOR -6, C, FOR -0, Z-P.

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
-6	PBY-5B	28P1016	2
-0	PBY-5B	28B1803	1
-6	PBY-5A	28P1016	2
-0	PBY-5A	28B1803	1
-6	PBY-5	28P1016	2
-0	PBY-5	28B1803	1
-6	ALL 28-5'S	28P1016	2 EA
-0	ALL 28-5'S	28B1803	1 EA
-6	PBY-1-2-3 & 4	28P1016	
-0	PBY-1-2-3 & 4	28B1803	

REQUIREMENTS PER AIRPLANE

REPLACES 28P1015 OF 11-17-36 — CALC. WT. .02

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.
-0	5/8 DIA X 3 1/4	AL AL BAR	46-A-9 COND. T
-6	5/8 DIA X 3 1/4	NOTED	NOTED

PARTS LIST PER ASSY. — REQ. (LH / RH): -0, -2, -3, -4, -5

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE

		DRAFT	CHECK	EXAM	MAT.	APPROV.	ENG.
AC		G. A. HENRY	J.S	GREEN		L.C.W	
NAVY NOTED	NOTED	2-12-36	12-1-36	5-5-36		11-17-36	
HEAT TREAT	FINISH						

OPP. HAND

NAME PIN-ENGINE CONTROLS COWL FLAP OPERATING CRANK

DWG. SIZE B — 28P1015

CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.

SUPPLIES & EQUIPMENT CLASSIFICATION	[redacted]		
LET	ALTERATION	DATE	BY
A	TRACED	2-11-37	REINOLD
B	ADDED NOTE: "SISAL--ROPE" -2 SPEC. "T-R-601" WAS "21R5b" (NEG. WT. CHG.)	9-8-42	BOWERS

(-2) 1½ CIRCUM. × 95 FT. MANILA HEMP LINE SPEC. T-R-601 (B)

ANVIL BRAND STD. STL. TACKLE BLOCK #262 DOUBLE PULLEY FOR ½ DIA. ROPE-IRON BUSHED & WITH THIMBLE

5½ MAX.

ANVIL BRAND STD. STL. TACKLE BLOCK #263 TRIPLE PULLEY FOR ½ DIA. ROPE-IRON BUSHED & WITH THIMBLE

(B)
NOTE:- SISAL ROPE, SPEC E-T-R-601a, CLASS D MAY BE USED AS ALTERNATE FOR MANILA ROPE

PROOF LOAD TO 750 LBS.

O.H.	MODEL	NEXT ASSY.	REQ.
	28-5MC	28P1009	1
	28-5MN	28P1009	1
	28-5AMN	28P1009	1
	28-5AMC	28P1009	1
	28-5MA	28P1009	1
	28-5ME	28P1009	1
	PBY-5B	28P1009	1
	PBY-5A	28P1009	1
	PBY-5	28P1009	1
	PBY-4	28P1009	
	PBY-3	28P1009	
	PBY-2	28P1009	
	XPBY-1	28P1009	
	PBY-1	28P1009	

REQUIREMENTS PER AIRPLANE

ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.
			#263 TACKLE BLOCK	1	
			#262 TACKLE BLOCK	1	
			28P1019-2	1	

MAT. — PARTS LIST PER ASSY.

REPLACES

REPLACED BY

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±

APPROVED 3-11-36 DATE

CALC. WT. — ACT. WT.

SCALE 3" = 1 FT.

AC

	MATERIAL	SPEC.	HEAT TREAT	FINISH
NAVY	NOTED	NOTED	—	—

DRAFT	CHECK	EXAM.	ENG.
3-6-36	Andrews		
WELLS	2-12-37		

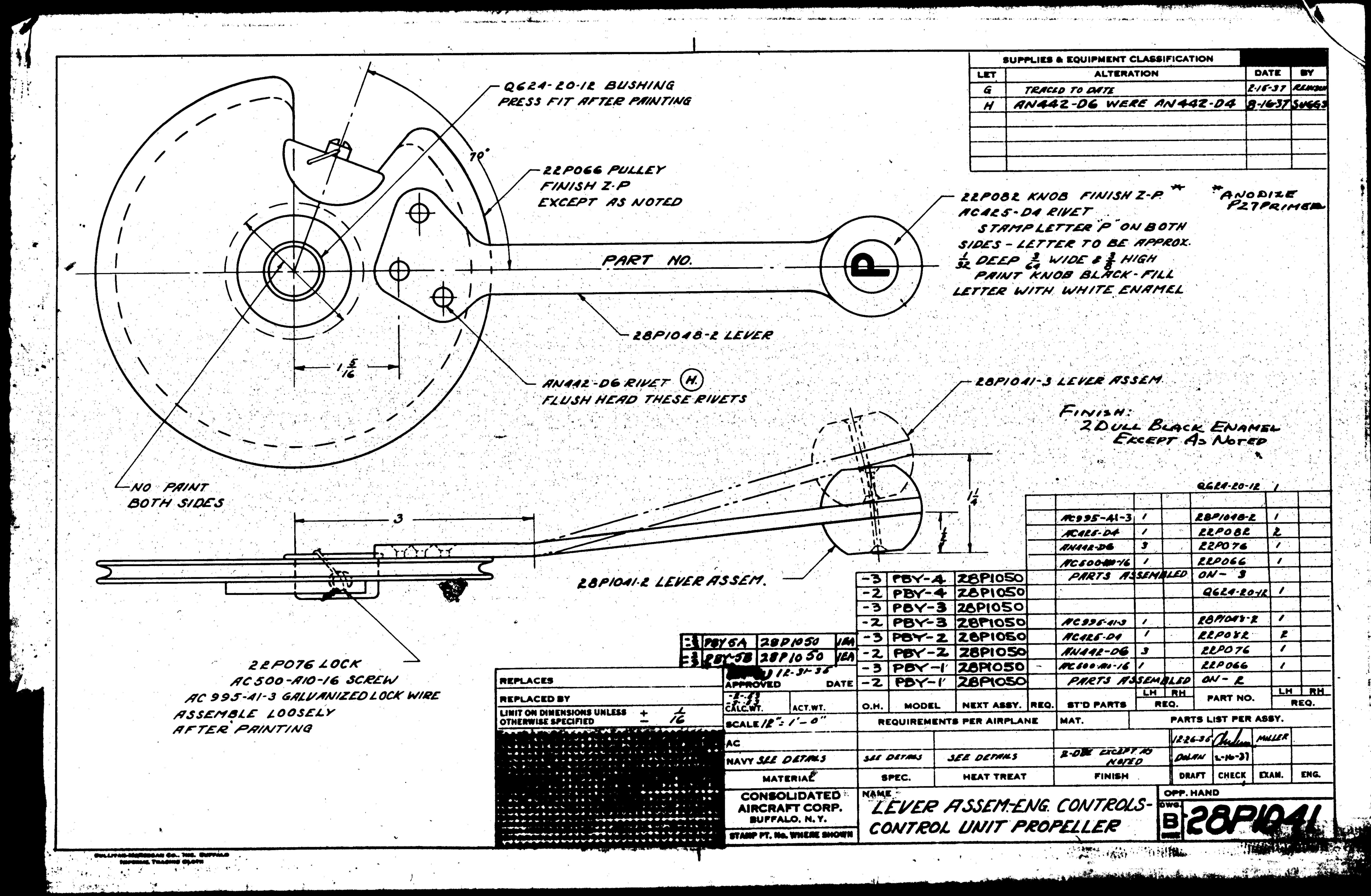
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

STAMP PT. No. WHERE SHOWN

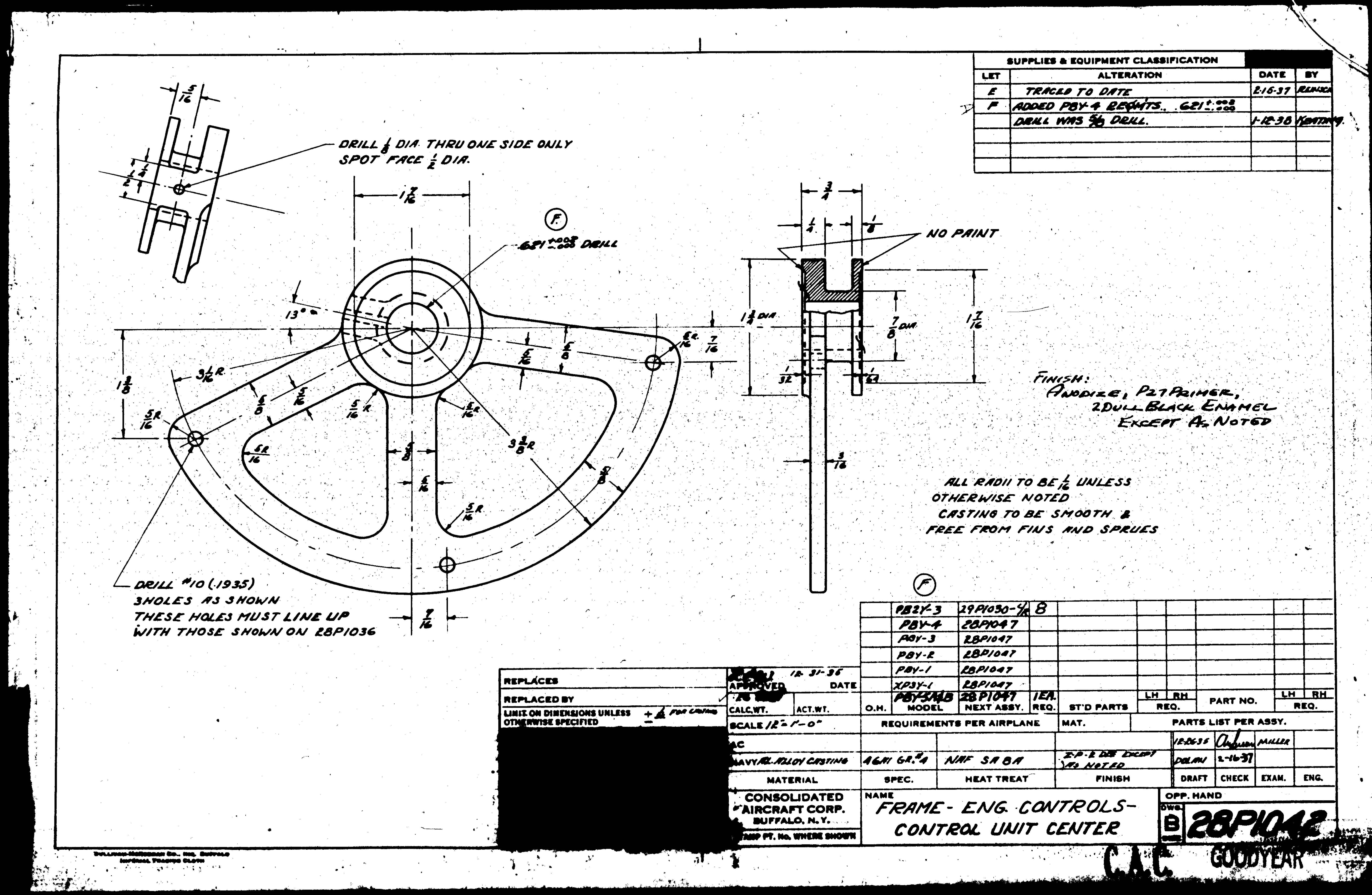
NAME: TACKLE ASSEMBLY- PROPELLER HOIST

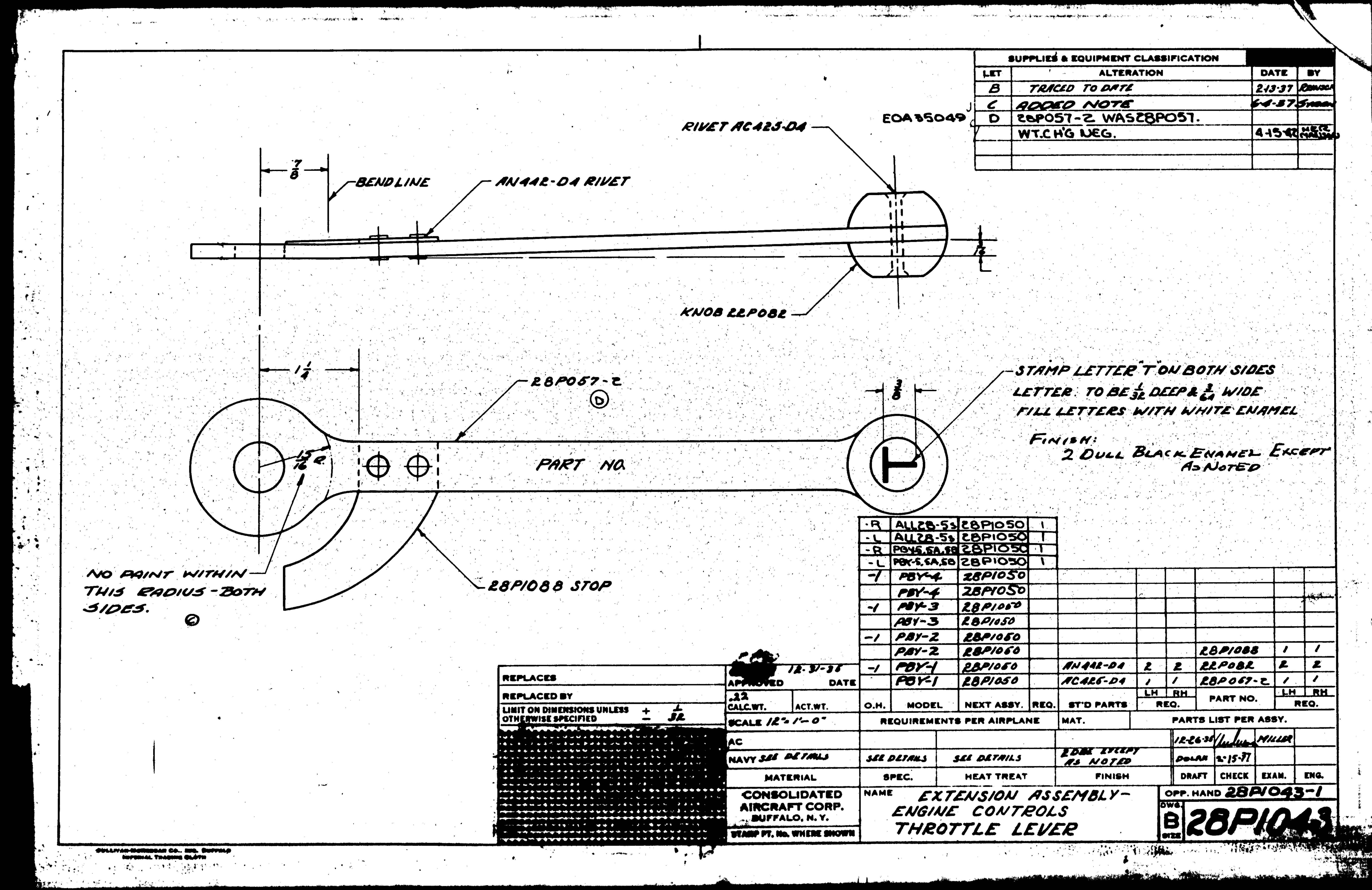
OPP. HAND

DWG. B 28P1019

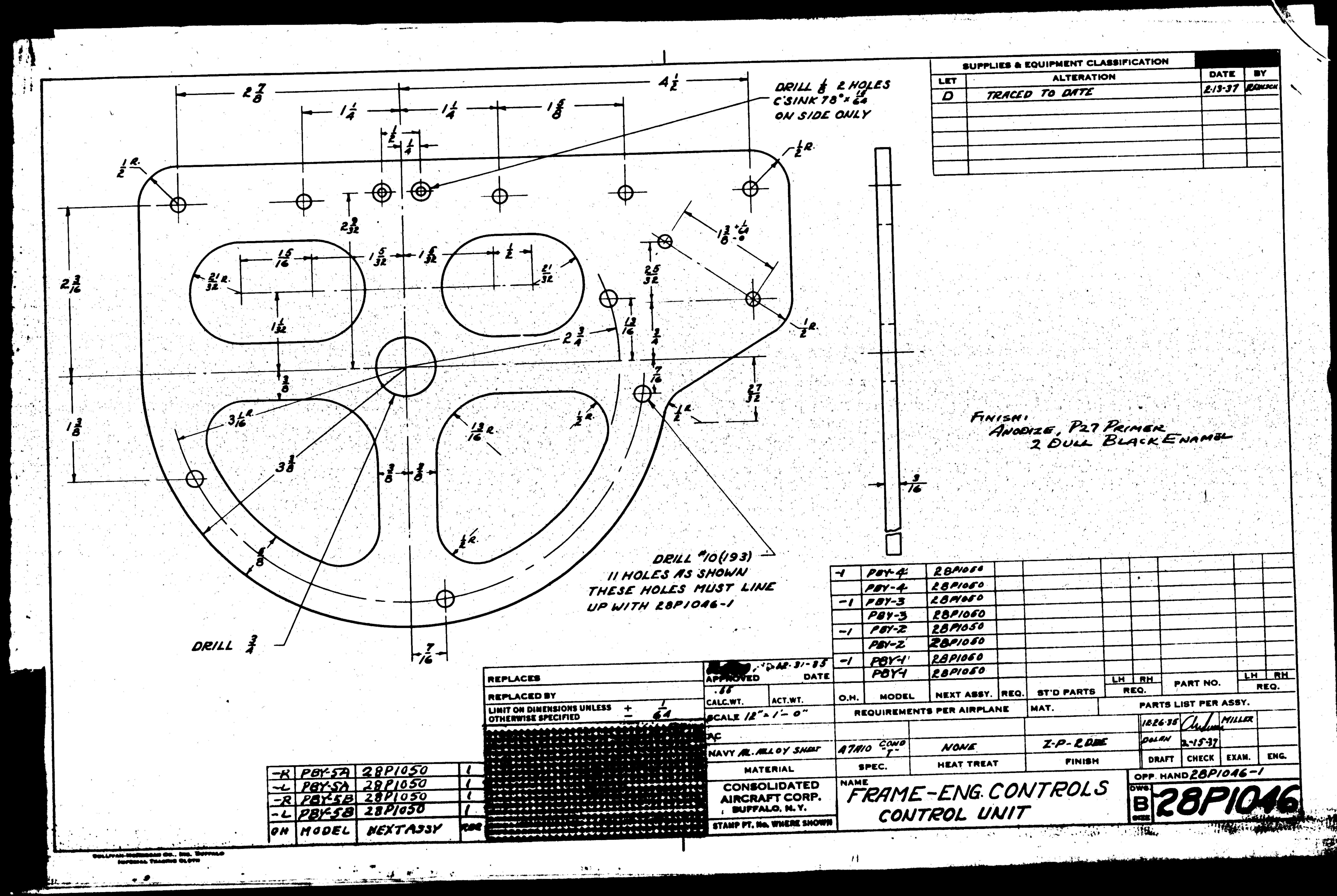


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
G | TRACED TO DATE | 2-15-37
H | AN442-D6 WERE AN442-D4 | 8-16-37 | SUGGS
Q624-20-12 BUSHING
PRESS FIT AFTER PAINTING
70°
22P066 PULLEY
FINISH Z-P
EXCEPT AS NOTED
22P082 KNOB FINISH Z-P *
AC425-D4 RIVET
STAMP LETTER "P" ON BOTH SIDES - LETTER TO BE APPROX. 1/32 DEEP 3/64 WIDE & 3/8 HIGH
PAINT KNOB BLACK - FILL LETTER WITH WHITE ENAMEL
*ANODIZE P27 PRIMER
PART NO.
P
28P1048-2 LEVER
1 5/16
AN442-D6 RIVET (H)
FLUSH HEAD THESE RIVETS
28P1041-3 LEVER ASSEM.
FINISH:
2 DULL BLACK ENAMEL
EXCEPT AS NOTED
NO PAINT
BOTH SIDES
3
1 1/4
28P1041-2 LEVER ASSEM.
22P076 LOCK
AC500-A10-16 SCREW
AC995-A1-3 GALVANIZED LOCK WIRE
ASSEMBLE LOOSELY
AFTER PAINTING
Q624-20-12 1
AC995-A1-3 1 | 28P1048-2 1
AC425-D4 1 | 22P082 2
AN442-D6 3 | 22P076 1
AC500-A10-16 1 | 22P066 1
PARTS ASSEMBLED ON -3
Q624-20-12 1
AC995-A1-3 1 | 28P1048-2 1
AC425-D4 1 | 22P082 2
AN442-D6 3 | 22P076 1
AC500-A10-16 1 | 22P066 1
PARTS ASSEMBLED ON -2
-3 PBY-4 28P1050
-2 PBY-4 28P1050
-3 PBY-3 28P1050
-2 PBY-3 28P1050
-3 PBY-2 28P1050
-2 PBY-2 28P1050
-3 PBY-1 28P1050
-2 PBY-1 28P1050
-3 PBY-5A 28P1050
-3 PBY-5B 28P1050
12-31-36
APPROVED DATE
CALC. WT. ACT. WT.
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/16
SCALE 12" = 1'-0"
AC
NAVY SEE DETAILS
SEE DETAILS
SEE DETAILS
Z-P EXCEPT AS NOTED
12-26-36 MILLER
DOLAN 2-16-37
MATERIAL SPEC. HEAT TREAT FINISH DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N. Y.
STAMP PT. No. WHERE SHOWN
NAME
LEVER ASSEM-ENG. CONTROLS-
CONTROL UNIT PROPELLER
OPP. HAND
DWG. B
28P1041

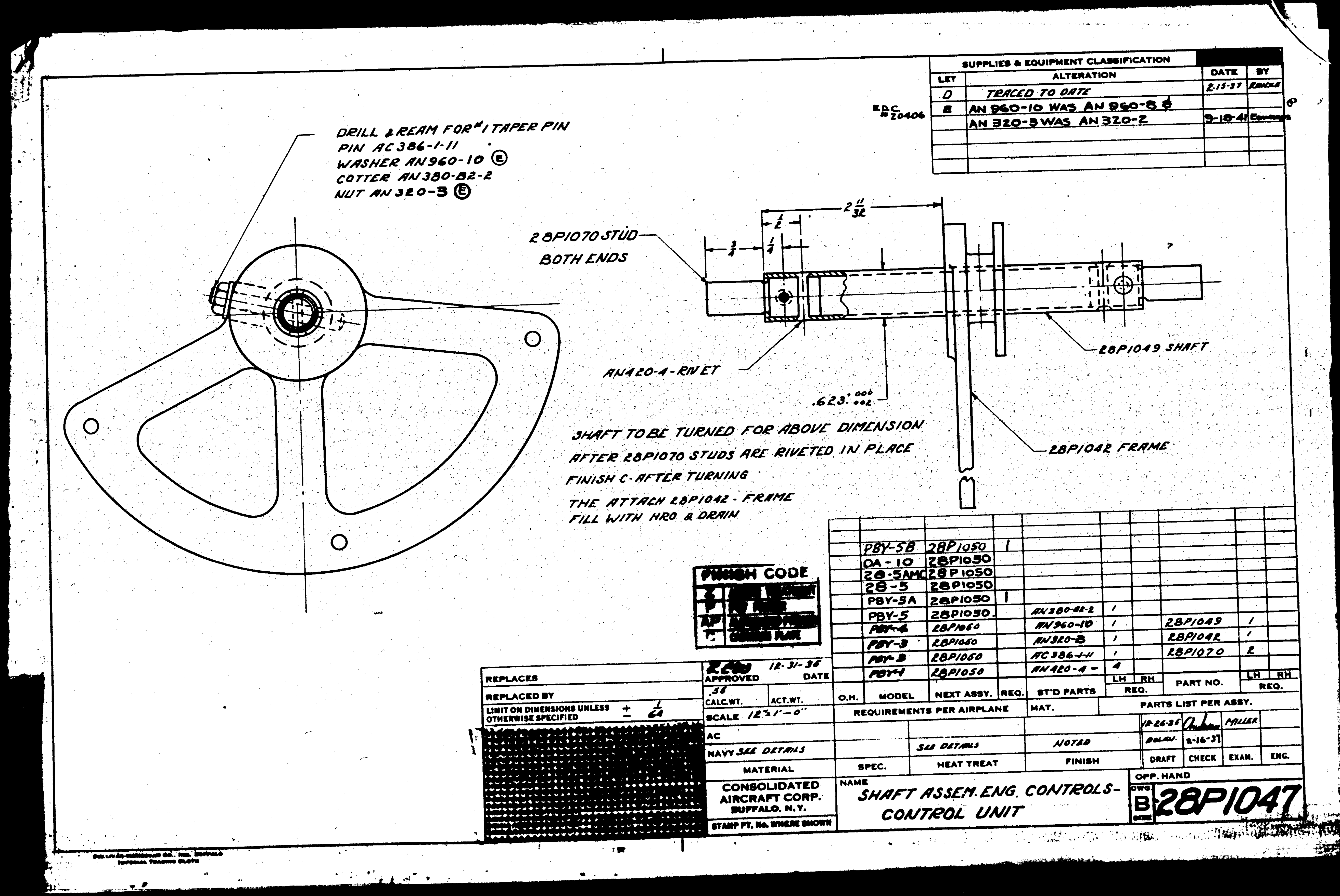

SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
E
TRACED TO DATE
2-16-37
F
ADDED PBY-4 REQ'MTS. .621 +.008 -.000
DRILL WAS 5/8 DRILL.
1-12-38
DRILL 1/8 DIA. THRU ONE SIDE ONLY
SPOT FACE 1/2 DIA.
.621 +.008 -.000 DRILL
NO PAINT
FINISH:
ANODIZE, P27 PRIMER,
2 DULL BLACK ENAMEL
EXCEPT AS NOTED
ALL RADII TO BE 1/16 UNLESS
OTHERWISE NOTED
CASTING TO BE SMOOTH &
FREE FROM FINS AND SPRUES
DRILL #10 (.1935)
3 HOLES AS SHOWN
THESE HOLES MUST LINE UP
WITH THOSE SHOWN ON 28P1036
PB2Y-3
29P1030-4/R
PBY-4
28P1047
PBY-3
28P1047
PBY-2
28P1047
PBY-1
28P1047
XP3Y-1
28P1047
PBY-5 AB
28P1047
1 EA.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/32 FOR CASTING
[redacted]
APPROVED
12-31-36
DATE
CALC.WT.
ACT.WT.
O.H.
MODEL
NEXT ASSY.
REQ.
ST'D PARTS
LH
RH
REQ.
PART NO.
SCALE 12" = 1'-0"
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
NAVY AL. ALLOY CASTING
46A1 GR. #4
NAF SA 8A
I-P-2 DB EXCEPT AS NOTED
12-26-36
MILLER
DOLAN
2-16-37
MATERIAL
SPEC.
HEAT TREAT
FINISH
DRAFT
CHECK
EXAM.
ENG.
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
FRAME - ENG. CONTROLS - CONTROL UNIT CENTER
OPP. HAND
DWG. B
28P1042
C.A.C.
GOODYEAR

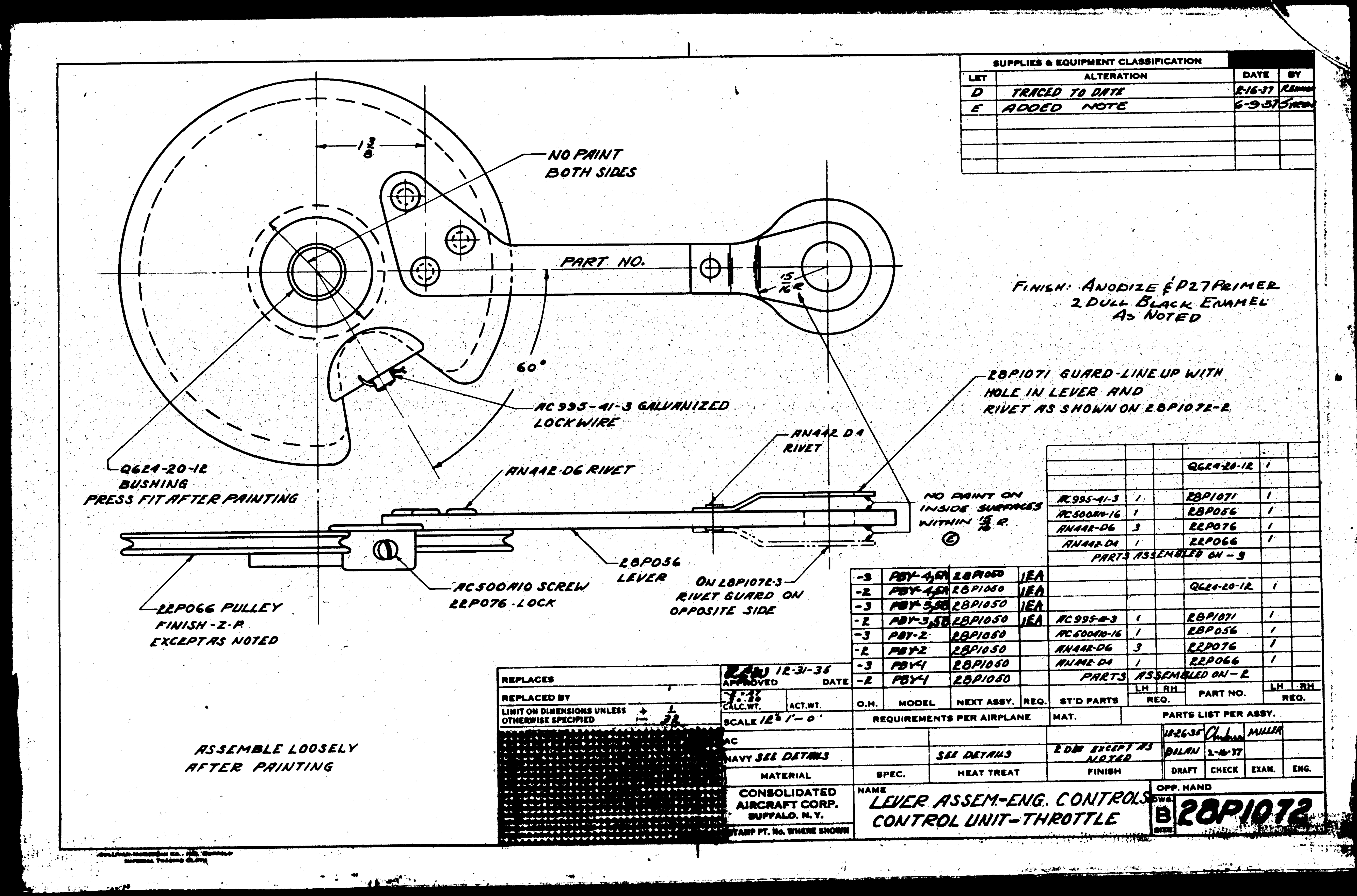


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B | TRACED TO DATE | 2-13-37
C | ADDED NOTE | 6-4-37
EOA 35049 D | 28P057-2 WAS 28P057.
WT. CH'G NEG. | 4-15-42
RIVET AC425-DA
7/8
BENDLINE
AN442-DA RIVET
KNOB 22P082
1 1/4
28P057-2
D
STAMP LETTER "T" ON BOTH SIDES
LETTER TO BE 1/32 DEEP & 3/64 WIDE
FILL LETTERS WITH WHITE ENAMEL
3/8
FINISH:
2 DULL BLACK ENAMEL EXCEPT
AS NOTED
15/16 R.
PART NO.
NO PAINT WITHIN
THIS RADIUS - BOTH
SIDES.
C
28P1088 STOP
·R | ALL 28-5s | 28P1050 | 1
-L | ALL 28-5s | 28P1050 | 1
-R | PBY-5,5A,5B | 28P1050 | 1
-L | PBY-5,5A,5B | 28P1050 | 1
-1 | PBY-4 | 28P1050
PBY-4 | 28P1050
-1 | PBY-3 | 28P1050
PBY-3 | 28P1050
-1 | PBY-2 | 28P1050
PBY-2 | 28P1050
-1 | PBY-1 | 28P1050
PBY-1 | 28P1050
AN442-DA | 2 | 2
AC425-DA | 1 | 1
28P1088 | 1 | 1
22P082 | 2 | 2
28P057-2 | 1 | 1
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH | RH | REQ. | PART NO. | LH | RH | REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
[redacted] 12-31-36
APPROVED DATE
.22
CALC. WT. ACT. WT.
SCALE 12" = 1'-0"
AC
NAVY SEE DETAILS
MATERIAL
SEE DETAILS
SPEC.
SEE DETAILS
HEAT TREAT
2 DBE EXCEPT AS NOTED
FINISH
12-26-36 MILLER
DOLAN 2-15-37
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME EXTENSION ASSEMBLY - ENGINE CONTROLS THROTTLE LEVER
OPP. HAND 28P1043-1
DWG. B SIZE 28P1043

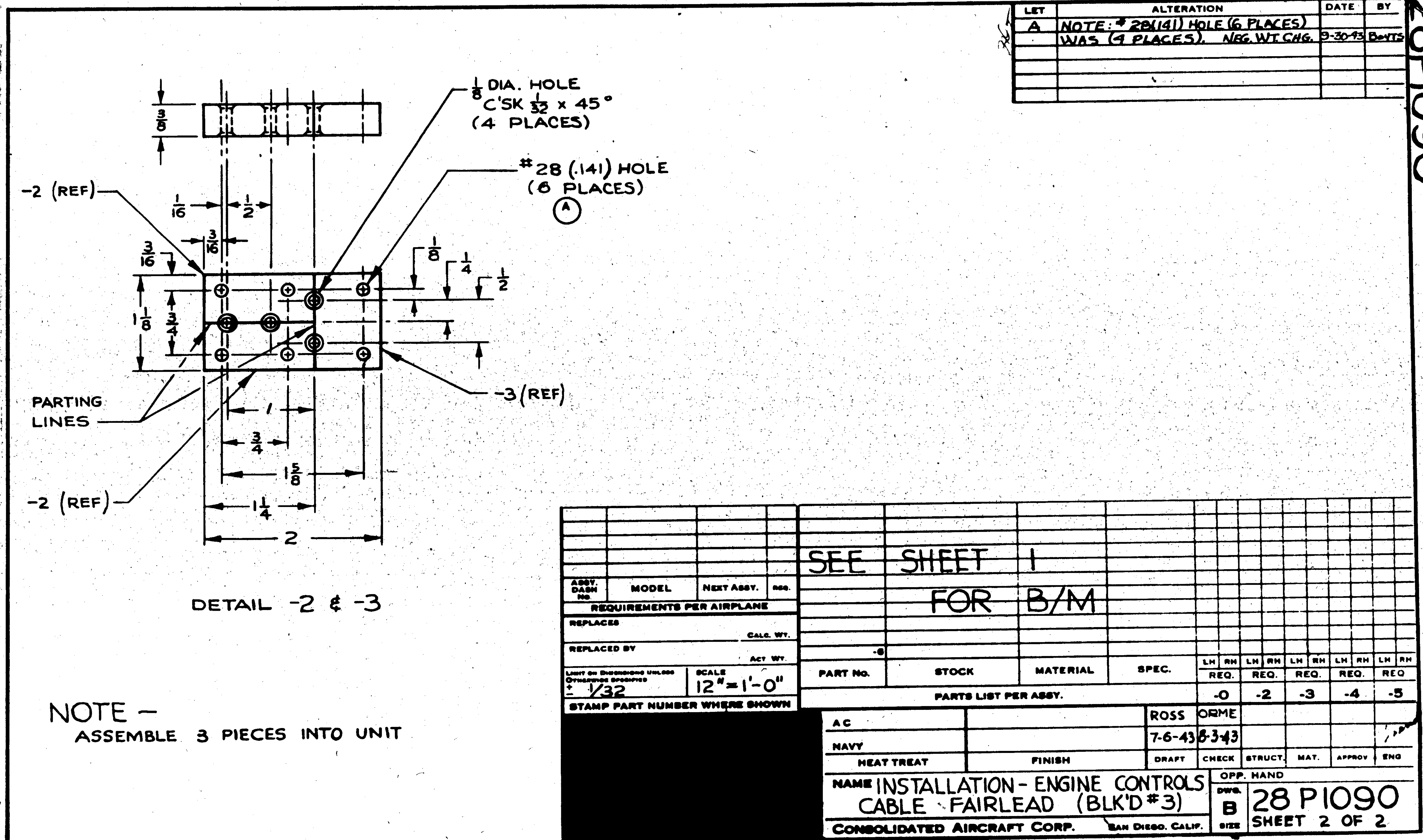


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
D | TRACED TO DATE | 2-13-37
DRILL 1/8 2 HOLES C'SINK 78° × 11/64 ON SIDE ONLY
DRILL #10(.193) 11 HOLES AS SHOWN THESE HOLES MUST LINE UP WITH 28P1046-1
DRILL 3/4
FINISH: ANODIZE, P27 PRIMER 2 DULL BLACK ENAMEL
-1 PBY-4 28P1050
PBY-4 28P1050
-1 PBY-3 28P1050
PBY-3 28P1050
-1 PBY-2 28P1050
PBY-2 28P1050
-1 PBY-1 28P1050
PBY-1 28P1050
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64
[redacted]
APPROVED DATE
CALC.WT. .66 ACT.WT.
SCALE 12" = 1'-0"
NAVY AL. ALLOY SHEET | 47A10 COND "T" | NONE | Z-P-2 DDE
MATERIAL | SPEC. | HEAT TREAT | FINISH
12-26-35 MILLER
DOLAN 2-15-37
DRAFT CHECK EXAM. ENG.
-R PBY-5A 28P1050 1
-L PBY-5A 28P1050 1
-R PBY-5B 28P1050 1
-L PBY-5B 28P1050 1
OH MODEL NEXT ASSY REQ
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME FRAME-ENG. CONTROLS CONTROL UNIT
OPP. HAND 28P1046-1
DWG. B 28P1046

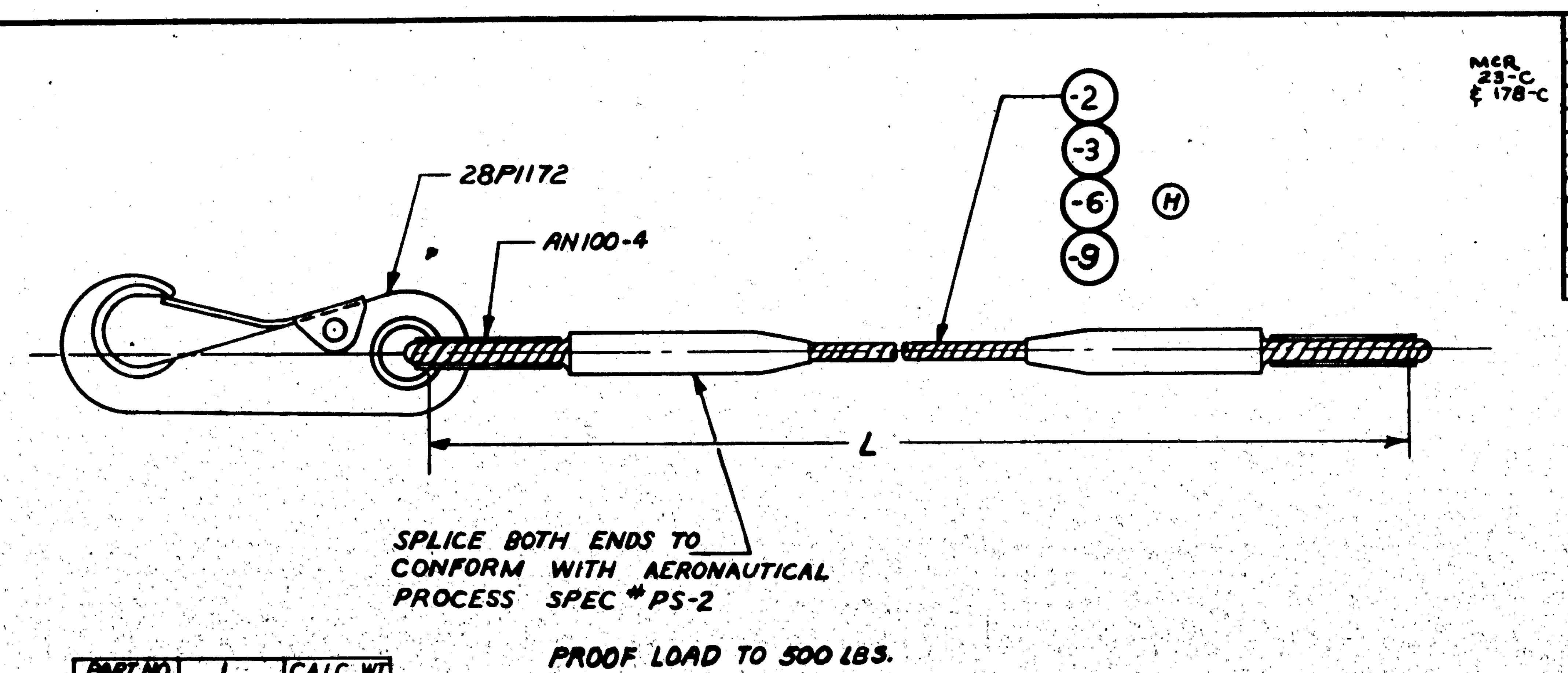

SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
D
TRACED TO DATE
2-15-37
E
AN 960-10 WAS AN 960-8 &
AN 320-3 WAS AN 320-2
9-18-41
E.D.C. #20406
DRILL & REAM FOR #1 TAPER PIN
PIN AC386-1-11
WASHER AN960-10 (E)
COTTER AN380-B2-2
NUT AN320-3 (E)
28P1070 STUD
BOTH ENDS
2 11/32
1/2
3/4
1/4
28P1049 SHAFT
AN420-4-RIVET
.623 .000 .002
SHAFT TO BE TURNED FOR ABOVE DIMENSION
AFTER 28P1070 STUDS ARE RIVETED IN PLACE
FINISH C-AFTER TURNING
THE ATTACH 28P1042-FRAME
FILL WITH HRO & DRAIN
28P1042 FRAME
FINISH CODE
PBY-5B 28P1050 1
OA-10 28P1050
28-5AMC 28P1050
28-5 28P1050
PBY-5A 28P1050 1
PBY-5 28P1050 AN380-B2-2 1
PBY-4 28P1050 AN960-10 1 28P1049 1
PBY-3 28P1050 AN320-3 1 28P1042 1
PBY-2 28P1050 AC386-1-11 1 28P1070 2
PBY-1 28P1050 AN420-4 4
REPLACES
APPROVED 12-31-36 DATE
REPLACED BY
.58 CALC.WT.
ACT.WT.
O.H.
MODEL
NEXT ASSY.
REQ.
ST'D PARTS
LH RH REQ.
PART NO.
LH RH REQ.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64
SCALE 12"=1'-0"
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
12-26-36 MILLER
2-16-37
AC
NAVY SEE DETAILS
SEE DETAILS
NOTED
DRAFT
CHECK
EXAM.
ENG.
MATERIAL
SPEC.
HEAT TREAT
FINISH
OPP. HAND
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
NAME
SHAFT ASSEM. ENG. CONTROLS-
CONTROL UNIT
DWG. B SIZE
28P1047
STAMP PT. No. WHERE SHOWN



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
D | TRACED TO DATE | 2-16-37
E | ADDED NOTE | 6-9-37
1 3/8
NO PAINT BOTH SIDES
PART NO.
15/16 R
FINISH: ANODIZE & P27 PRIMER 2 DULL BLACK ENAMEL AS NOTED
60°
28P1071 GUARD-LINE UP WITH HOLE IN LEVER AND RIVET AS SHOWN ON 28P1072-2
AC 995-41-3 GALVANIZED LOCKWIRE
AN442 D4 RIVET
Q624-20-12 BUSHING PRESS FIT AFTER PAINTING
AN442-D6 RIVET
NO PAINT ON INSIDE SURFACES WITHIN 15/16 R.
E
28P056 LEVER
AC500A10 SCREW 22P076 LOCK
ON 28P1072-3 RIVET GUARD ON OPPOSITE SIDE
22P066 PULLEY FINISH-Z-P. EXCEPT AS NOTED
ASSEMBLE LOOSELY AFTER PAINTING
Q624-20-12 1
AC995-41-3 1 28P1071 1
AC500A10-16 1 28P056 1
AN442-D6 3 22P076 1
AN442-D4 1 22P066 1
PARTS ASSEMBLED ON -3
-3 PBY-4,5A 28P1050 1EA
-2 PBY-4,5A 28P1050 1EA | Q624-20-12 1
-3 PBY-3,5B 28P1050 1EA
-2 PBY-3,5B 28P1050 1EA | AC995-41-3 1 28P1071 1
-3 PBY-2 28P1050 | AC500A10-16 1 28P056 1
-2 PBY-2 28P1050 | AN442-D6 3 22P076 1
-3 PBY-1 28P1050 | AN442-D4 1 22P066 1
-2 PBY-1 28P1050 | PARTS ASSEMBLED ON -2
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
12-31-35 APPROVED DATE
CALC. WT. ACT. WT.
SCALE 12" 1'-0"
AC
NAVY SEE DETAILS
SEE DETAILS
2 DBE EXCEPT AS NOTED
12-26-35 MILLER
DOLAN 2-16-37
MATERIAL SPEC. HEAT TREAT FINISH DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME LEVER ASSEM-ENG. CONTROLS CONTROL UNIT-THROTTLE
OPP. HAND
DWG. B SIZE 28P1072



28P1090
LET
ALTERATION
DATE
BY
A
NOTE: #28(.141) HOLE (6 PLACES) WAS (4 PLACES). NEG. WT. CHG.
9-30-43
1/8 DIA. HOLE
C'SK 1/32 x 45°
(4 PLACES)
#28 (.141) HOLE
(6 PLACES)
A
-2 (REF)
-3 (REF)
PARTING LINES
-2 (REF)
DETAIL -2 & -3
NOTE -
ASSEMBLE 3 PIECES INTO UNIT
SEE SHEET 1
FOR B/M
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/32
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
PART No.
STOCK
MATERIAL
SPEC.
LH
RH
REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
AC
NAVY
HEAT TREAT
FINISH
ROSS
ORME
7-6-43
8-3-43
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NAME INSTALLATION - ENGINE CONTROLS
CABLE FAIRLEAD (BLK'D #3)
OPP. HAND
DWG. SIZE B
28 P1090
SHEET 2 OF 2
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
R



MCR 23-C & 178-C

LET	ALTERATION	DATE	BY
G	TRACED	4-24-43	CHURCHILL
H	ADDED: 50 ASSY & -9 PART FOR PBY-5 C# 91876 MCR 23-C & ON, 1 REQ N/A 28P1009 & PBY-5A C# NO a(s) 464, MCR 178-C & ON. LIMITED -5 ASS'Y; FOR PBY-5 C91876 TO MCR 23C, WAS ALL, FOR PBY-5A REMOVED -5 REQ'S FOR C# NO a(s) 464 NO WT. CHG.	4-24-43	CHURCHILL

PROOF LOAD TO 500 LBS.

PART NO	L	CALC. WT.
-0	96 3/4	2.97#
-4	103 1/4	3.20#
-5	108 1/2	3.33#
-50	115	3.51#

(H) C.# NO a(s) 464 MCR 178-C
C.# 70496, 77713 & 88476—
C.# 91876 MCR 23-C & ON
C.# 70496 & 91876 TO MCR 23-C

ASSY DASH	MODEL	NEXT ASSY	REQ.
-5	PBY-5B	28P1009	2
-4	PBY-4	28P1009	2
-4	PBY-3	28P1009	2
-4	PBY-2	28P1009	2
-0	PBY-1	28P1009	2
-5	28-5AMN	28P1009	2
-5	28-5AMC	28P1009	2
-5	28-5MN	28P1009	2
-5	28-5ME	28P1009	2
-5	28-5MC	28P1009	2
-5	28-5MA	28P1009	2
-50	PBY-5A	28P1009	2
-5	PBY-5A	28P1009	2
-50	PBY-5	28P1009	2
-5	PBY-5	28P1009	2

REQUIREMENTS PER AIRPLANE

REPLACES 28P1095 OF 3-6-36 NOTED CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/8

SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

[redacted]

PART No.	STOCK	MATERIAL	SPEC.	-0 LH REQ.	-0 RH REQ.	-4 LH REQ.	-4 RH REQ.	-5 LH REQ.	-5 RH REQ.	-50 LH REQ.	-50 RH REQ.	LH REQ.	RH REQ.
AN100-4				2		2		2		2			
28P1172				1		1		1		1			
-9	1/8 X 7 X 19 X 119	C.STL PREFORMED TINNED CABLE	AN-RR-C-43							1			
-6	1/8 X 7 X 19 X 112 1/2	C.STL PREFORMED TINNED CABLE	AN-RR-C-43					1					
-3	1/8 X 7 X 19 X 107 1/4	C.STL PREFORMED TINNED CABLE	AN-RR-C-43			1							
-2 8	1/8 X 7 X 19 X 100 3/4	C.STL PREFORMED TINNED CABLE	AN-RR-C-43	1									

PARTS LIST PER ASSY.

AC		HOOVER	J. S.				
NAVY NONE	PARALKETONE CABLE ONLY	3-6-36	12-1-36				
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

NAME CABLE ASSEMBLY PROPELLER HOIST BRACE

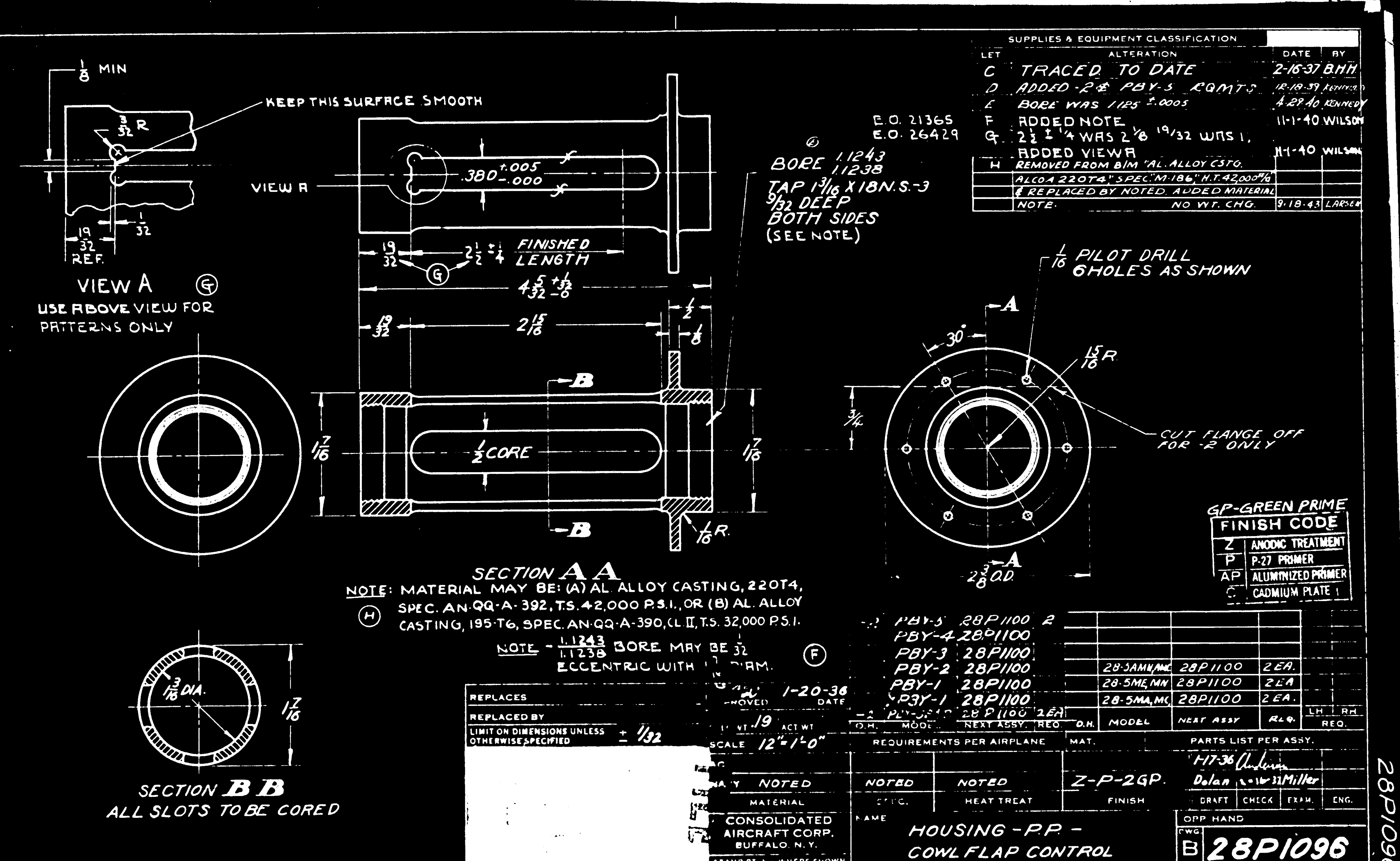
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

OPP. HAND

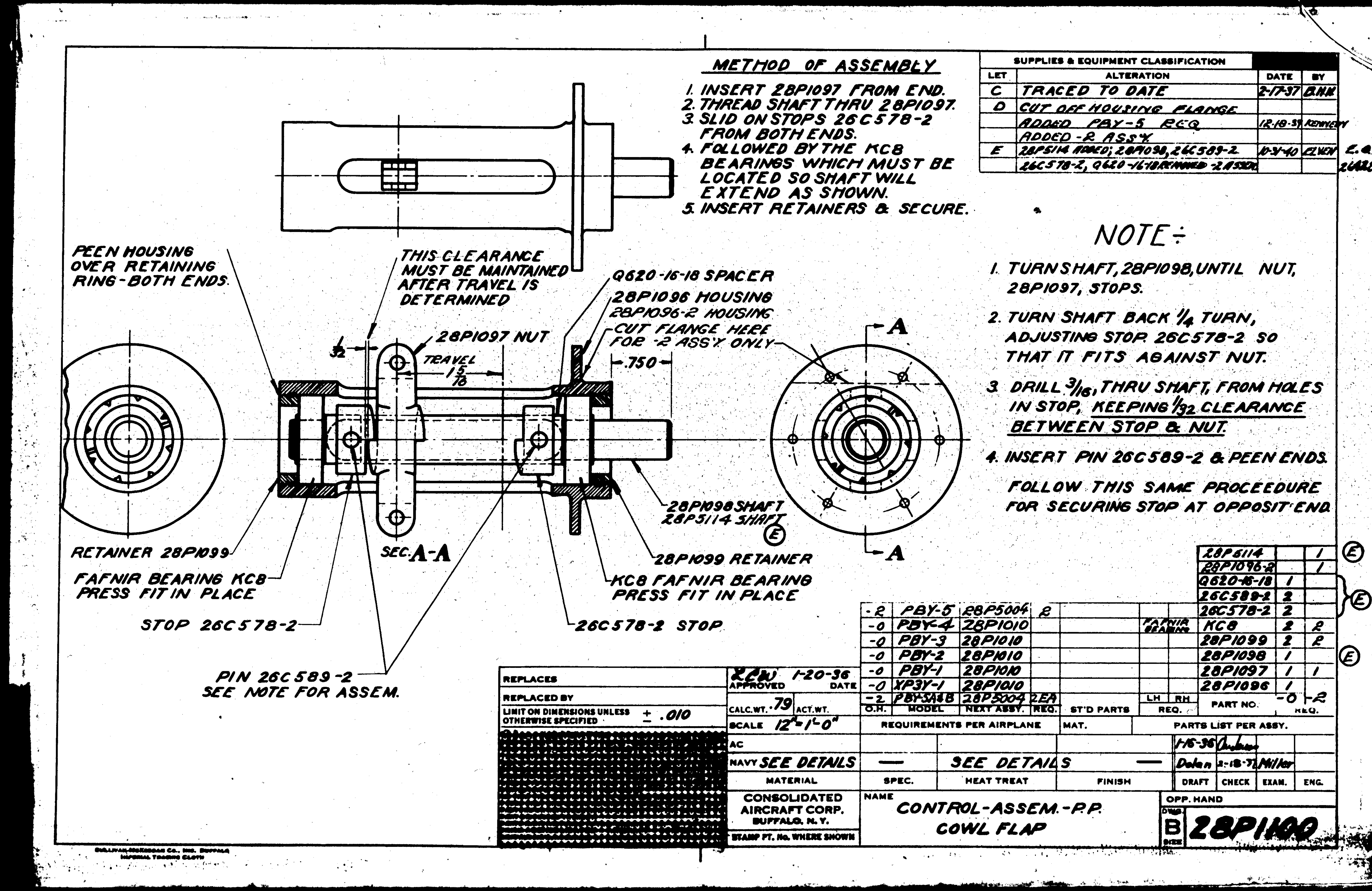
DWG. SIZE B 28P1095

R

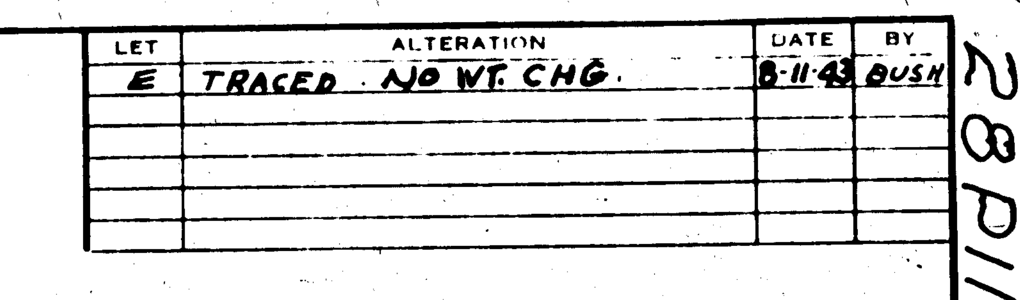
28P1095



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C TRACED TO DATE 2-16-37 B.H.H.
D ADDED -2 & PBY-5 RQMTS
E BORE WAS 1.125 ±.0005
F ADDED NOTE 11-1-40 WILSON
G 2½ ±¼ WAS 2⅛ 19/32 WAS 1. ADDED VIEW A 11-1-40 WILSON
H REMOVED FROM B/M "AL. ALLOY CSTG. ALCOA 220T4" SPEC. M-186" H.T. 42,000#/□ REPLACED BY NOTED. ADDED MATERIAL NOTE. NO WT. CHG. 9-18-43 LARSEN
E.O. 21365
E.O. 26429
⅛ MIN
KEEP THIS SURFACE SMOOTH
3/32 R
VIEW A
19/32 REF.
1/32
VIEW A
USE ABOVE VIEW FOR PATTERNS ONLY
.380 +.005 -.000
BORE 1.1243 1.1238
TAP 1 3/16 X 18N.S.-3 9/32 DEEP BOTH SIDES (SEE NOTE)
19/32
2½ ±¼ FINISHED LENGTH
4 5/32 +1/32 -0
2 15/16
½
⅛
1/16 PILOT DRILL 6 HOLES AS SHOWN
30°
15/16 R.
A
B
1 7/16
½ CORE
1 7/16
¾
1/16 R.
CUT FLANGE OFF FOR -2 ONLY
2 3/8 O.D.
SECTION AA
GP-GREEN PRIME
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
NOTE: MATERIAL MAY BE: (A) AL. ALLOY CASTING, 220T4, SPEC. AN-QQ-A-392, T.S. 42,000 P.S.I., OR (B) AL. ALLOY CASTING, 195-T6, SPEC. AN-QQ-A-390, CL.II, T.S. 32,000 P.S.I.
NOTE - 1.1243 / 1.1238 BORE MAY BE 1/32 ECCENTRIC WITH DIAM.
1 3/16 DIA.
1 7/16
SECTION BB
ALL SLOTS TO BE CORED
-2 PBY-5 28P1100 2
PBY-4 28P1100
PBY-3 28P1100
PBY-2 28P1100 28-5AMN,MC 28P1100 2 EA.
PBY-1 28P1100 28-5ME,MN 28P1100 2 EA.
PBY-1 28P1100 28-5MA,MC 28P1100 2 EA.
-2 PBY-5 28P1100 2EA
O.H. MODEL NEXT ASSY. REQ. O.H. MODEL NEXT ASSY REQ. LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
APPROVED 1-20-36 DATE
.19 ACT WT
SCALE 12" = 1'-0"
NOTED NOTED NOTED Z-P-2GP.
MATERIAL SPEC. HEAT TREAT FINISH
1-17-36 Anderson Dolan Miller
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME HOUSING - P.P. - COWL FLAP CONTROL
OPP HAND
DWG. B SIZE 28P1096
28P1096

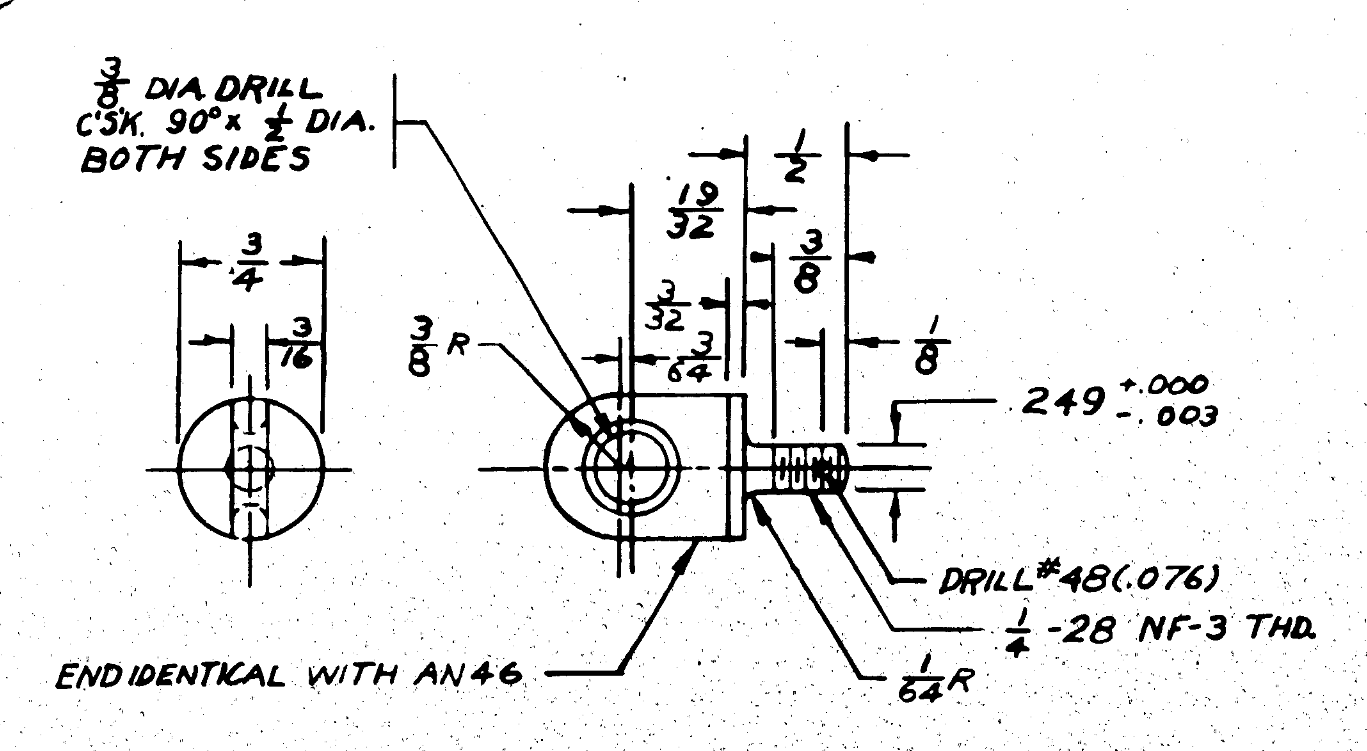


METHOD OF ASSEMBLY
1. INSERT 28P1097 FROM END.
2. THREAD SHAFT THRU 28P1097.
3. SLID ON STOPS 26C578-2 FROM BOTH ENDS.
4. FOLLOWED BY THE KC8 BEARINGS WHICH MUST BE LOCATED SO SHAFT WILL EXTEND AS SHOWN.
5. INSERT RETAINERS & SECURE.
SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
C
TRACED TO DATE
2-17-37
D
CUT OFF HOUSING FLANGE
ADDED PBY-5 REQ
12-18-39
ADDED -2 ASSY.
E
28P5114 ADDED; 28P1098, 26C589-2
10-31-40
26C578-2, Q620-16-18 REMOVED -2 ASSY.
NOTE ÷
1. TURN SHAFT, 28P1098, UNTIL NUT, 28P1097, STOPS.
2. TURN SHAFT BACK 1/4 TURN, ADJUSTING STOP 26C578-2 SO THAT IT FITS AGAINST NUT.
3. DRILL 3/16, THRU SHAFT, FROM HOLES IN STOP, KEEPING 1/32 CLEARANCE BETWEEN STOP & NUT.
4. INSERT PIN 26C589-2 & PEEN ENDS.
FOLLOW THIS SAME PROCEEDURE FOR SECURING STOP AT OPPOSIT END.
PEEN HOUSING OVER RETAINING RING - BOTH ENDS.
THIS CLEARANCE MUST BE MAINTAINED AFTER TRAVEL IS DETERMINED
Q620-16-18 SPACER
28P1096 HOUSING
28P1096-2 HOUSING
CUT FLANGE HERE FOR -2 ASSY. ONLY
28P1097 NUT
1/32
TRAVEL 1 5/16
.750
A
A
28P1098 SHAFT
28P5114 SHAFT
E
SEC. A-A
RETAINER 28P1099
FAFNIR BEARING KC8 PRESS FIT IN PLACE
STOP 26C578-2
28P1099 RETAINER
KC8 FAFNIR BEARING PRESS FIT IN PLACE
26C578-2 STOP
PIN 26C589-2 SEE NOTE FOR ASSEM.
28P5114 | | 1 | E
28P1096-2 | | 1
Q620-16-18 | 1 |
26C589-2 | 2 |
26C578-2 | 2 | E
FAFNIR BEARING | KC8 | 2 | 2
28P1099 | 2 | 2
28P1098 | 1 | | E
28P1097 | 1 | 1
28P1096 | 1 |
-2 | PBY-5 | 28P5004 | 2
-0 | PBY-4 | 28P1010
-0 | PBY-3 | 28P1010
-0 | PBY-2 | 28P1010
-0 | PBY-1 | 28P1010
-0 | XP3Y-1 | 28P1010
-2 | PBY-5A&B | 28P5004 | 2EA
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH | RH | REQ. | PART NO. | -0 | -2 | REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
APPROVED 1-20-36 DATE
CALC. WT. .79 ACT. WT.
SCALE 12" = 1'-0"
AC
NAVY SEE DETAILS
MATERIAL
SPEC.
SEE DETAILS
HEAT TREAT
FINISH
1-15-36
Dolan 2-18-37 Miller
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME CONTROL-ASSEM.-P.P. COWL FLAP
OPP. HAND
DWG. SIZE B 28P1100



LET	ALTERATION	DATE	BY
E	TRACED NO WT. CHG.	8-11-43	BUSH

28P1178



FINISH NOTE:
FOR CORR RESISTANT STEEL - NONE.
FOR ALL OTHER MATERIALS - CADMIUM PLATE, 2 COATS ZINC CHROMATE PRIMER.

MATERIAL NOTE:
(A) STAINLESS STL., SPEC. AN-QQ-S-771, OR
(B) S.A.E. 4037, SPEC. AN-S-9, OR
(C) X4130, SPEC. AN-QQ-S-684, OR
(D) NE8630, SPEC. AN-S-14, OR
(E) NE8735, SPEC. AN-S-15, OR
(F) NE8740, SPEC. AN-S-16.

SEE RELEASES

ASSY. DASH No	MODEL	NEXT ASSY.	REQ.
	PB2Y-3		
	PB2Y-2		
	PBY-5B		
	PBY-5A		
	PBY-5		
	PBY-4		
	PBY-3		
	PBY-2		
	PBY-1		
	ALL 28-5S		
	XP3Y-1		

REQUIREMENTS PER AIRPLANE

REPLACES	.04 CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010	SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	LH REQ. -0	RH REQ. -0	LH REQ. -2	RH REQ. -2	LH REQ. -3	RH REQ. -3	LH REQ. -4	RH REQ. -4	LH REQ. -5	RH REQ. -5
	3/4 O.D. X 1 5/8	NOTED	NOTED										

PARTS LIST PER ASSY.

HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
AC NAVY T.S. 90,000 TO 125,000 P.S.I.	NOTED	HOOVER 3-10-36	JS 7-1-36			L.C.W. 11-25-36	

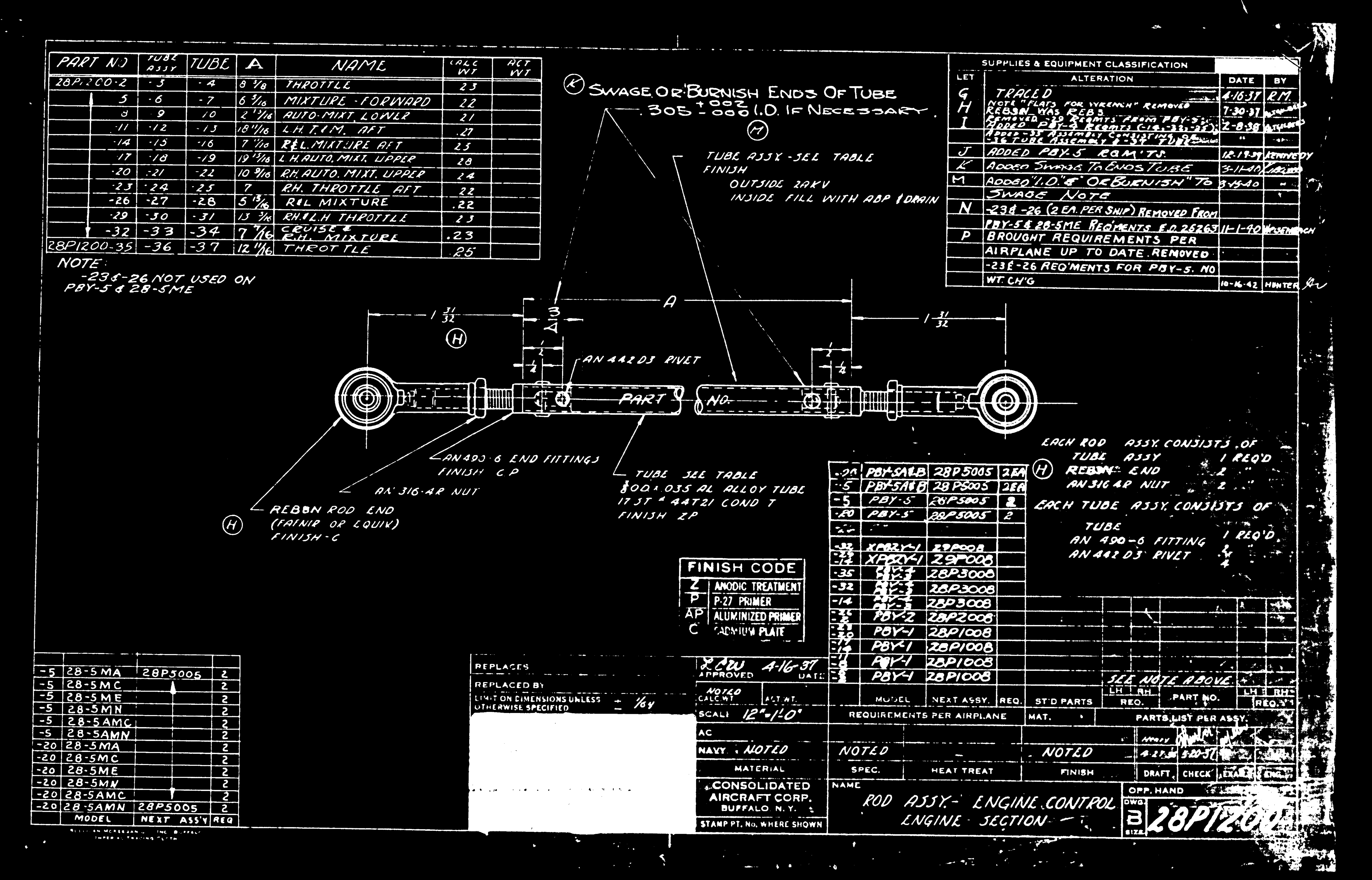
NAME EYE BOLT- MECHANICS SAFETY CABLE

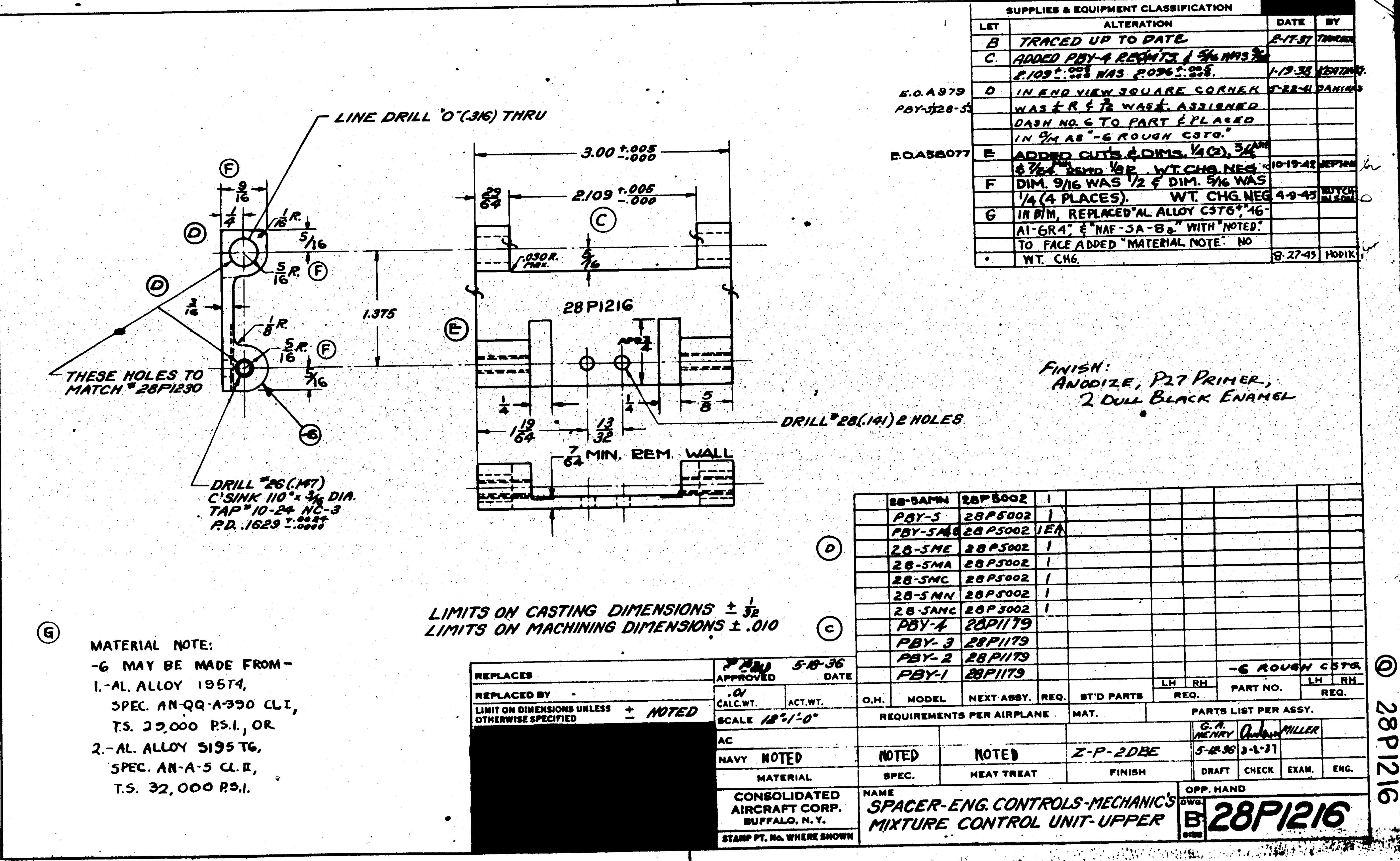
OPP. HAND

DWG. SIZE B 28P1178

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

TAYLOR R


PART NO. | TUBE ASSY | TUBE | A | NAME | CALC WT | ACT WT
28P1200-2 | -3 | -4 | 8 1/8 | THROTTLE | .23
-5 | -6 | -7 | 6 5/16 | MIXTURE - FORWARD | .22
-8 | -9 | -10 | 2 13/16 | AUTO-MIXT. LOWER | .21
-11 | -12 | -13 | 18 11/16 | L.H. T & M. AFT | .27
-14 | -15 | -16 | 7 7/16 | R & L. MIXTURE AFT | .23
-17 | -18 | -19 | 19 15/16 | L.H. AUTO. MIXT. UPPER | .28
-20 | -21 | -22 | 10 9/16 | R.H. AUTO. MIXT. UPPER | .24
-23 | -24 | -25 | 7 | R.H. THROTTLE AFT | .22
-26 | -27 | -28 | 5 13/16 | R & L MIXTURE | .22
-29 | -30 | -31 | 13 3/16 | R.H. & L.H. THROTTLE | .23
-32 | -33 | -34 | 7 7/16 | CRUISE & R.H. MIXTURE | .23
28P1200-35 | -36 | -37 | 12 11/16 | THROTTLE | .25
NOTE: -23 & -26 NOT USED ON PBY-5 & 28-5ME
(K) SWAGE OR BURNISH ENDS OF TUBE .305 +.002 -.000 I.D. IF NECESSARY
(M)
TUBE ASSY - SEE TABLE
FINISH OUTSIDE ZAKV
INSIDE FILL WITH ABP & DRAIN
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
G | TRACED | 4-16-37 | R.M.
H | NOTE "FLATS FOR WRENCH" REMOVED REBSN WAS REBS | 7-30-37
I | REMOVED -29 REQMTS FROM PBY-5; ADDED PBY-4 REQMTS; ADDED -35 ASSEMBLY CONSISTING OF -36 TUBE ASSEMBLY & -37 TUBE | 2-8-38
J | ADDED PBY-5 REQ'M'TS | 12-19-39 | KENNEDY
K | ADDED SWAGE TO ENDS TUBE | 3-11-40
M | ADDED "I.D." & "OR BURNISH" TO SWAGE NOTE | 3-15-40
N | -23 & -26 (2 EA. PER SHIP) REMOVED FROM PBY-5 & 28-5ME REQ'MENTS E.O. 26263 | 11-1-40
P | BROUGHT REQUIREMENTS PER AIRPLANE UP TO DATE. REMOVED -23 & -26 REQ'MENTS FOR PBY-5. NO WT. CH'G | 10-16-42 | HUNTER
A
1 31/32
3/16
1/2
1/4
(H)
AN 442 D3 RIVET
PART NO.
AN 490-6 END FITTINGS FINISH CP
AN 316-4R NUT
REBSN ROD END (FAFNIR OR EQUIV.) FINISH - C
TUBE SEE TABLE .500 x .035 AL ALLOY TUBE 17 ST & 44T21 COND T FINISH ZP
EACH ROD ASSY. CONSISTS OF
TUBE ASSY 1 REQ'D
REBSN END 2
AN 316 4R NUT 2
EACH TUBE ASSY. CONSISTS OF
TUBE 1 REQ'D
AN 490-6 FITTING 2
AN 442 D3 RIVET 4
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
-20 | PBY-5A & B | 28P5005 | 2EA
-5 | PBY-5A & B | 28P5005 | 2EA
-5 | PBY-5 | 28P5005 | 2
-20 | PBY-5 | 28P5005 | 2
-32 | XPBY-1 | 29P008
-23 -14 | XPBY-1 | 29P008
-35 | PBY-4 | 28P3008
-32 | PBY-3 | 28P3008
-14 | PBY-3 | 28P3008
-26 | PBY-2 | 28P2008
-23 -20 | PBY-1 | 28P1008
-17 -14 | PBY-1 | 28P1008
-11 -8 | PBY-1 | 28P1008
-5 | PBY-1 | 28P1008
MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
-5 | 28-5MA | 28P5005 | 2
-5 | 28-5MC | | 2
-5 | 28-5ME | | 2
-5 | 28-5MN | | 2
-5 | 28-5AMC | | 2
-5 | 28-5AMN | | 2
-20 | 28-5MA | | 2
-20 | 28-5MC | | 2
-20 | 28-5ME | | 2
-20 | 28-5MN | | 2
-20 | 28-5AMC | | 2
-20 | 28-5AMN | 28P5005 | 2
MODEL | NEXT ASS'Y | REQ
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64
APPROVED LCW DATE 4-16-37
CALC. WT NOTED
ACT. WT.
SCALE 12"=1'-0"
NAVY NOTED
MATERIAL
NOTED
SPEC.
HEAT TREAT
NOTED
FINISH
STD PARTS
MAT.
SEE NOTE ABOVE
PART NO.
PARTS LIST PER ASSY.
4-27-37 5-20-37
DRAFT. CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO N.Y.
STAMP PT. No. WHERE SHOWN
NAME ROD ASSY. - ENGINE CONTROL ENGINE SECTION
OPP. HAND
DWG. SIZE B 28P1200


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B | TRACED UP TO DATE | 2-17-37
C. | ADDED PBY-4 REQ'MTS & 5/16 WAS 9/32 2.109 +.005 -.000 WAS 2.096 +.005 -.005. | 1-19-38
E.O. A979 PBY-5 | D | IN END VIEW SQUARE CORNER WAS 1/8 R & 3/32 WAS 1/8. ASSIGNED DASH NO. 6 TO PART & PLACED IN B/M AS "-6 ROUGH CSTG." | 5-22-41
E.O.A58077 | E | ADDED CUTS & DIMS. 1/4(2), 3/16, & 7/64 MIN. REMD 1/8R. WT. CHG. NEG | 10-19-42
F | DIM. 9/16 WAS 1/2 & DIM. 5/16 WAS 1/4 (4 PLACES). WT. CHG. NEG | 4-9-43
G | IN B/M, REPLACED "AL ALLOY CSTG", "46-A1-GR4", & "NAF-5A-8a" WITH "NOTED." TO FACE ADDED "MATERIAL NOTE". NO WT. CHG. | 8-27-43 | HODIK
LINE DRILL "O" (.316) THRU
3.00 +.005 -.000
2.109 +.005 -.000
29/64
9/16
1/4
1/16 R.
5/16
5/16 R.
3/16
1/8 R.
5/16 R.
1.375
.030 R. MAX.
5/16
28P1216
THESE HOLES TO MATCH #28P1290
1/4
1 19/64
13/32
1/4
5/8
DRILL #28 (.141) 2 HOLES
7/64 MIN. REM. WALL
DRILL #26 (.147)
C'SINK 110° x 3/16 DIA.
TAP #10-24 NC-3
P.D. .1629 +.0024 -.0000
-6
FINISH:
ANODIZE, P27 PRIMER,
2 DULL BLACK ENAMEL
LIMITS ON CASTING DIMENSIONS ± 1/32
LIMITS ON MACHINING DIMENSIONS ± .010
MATERIAL NOTE:
-6 MAY BE MADE FROM-
1.-AL. ALLOY 195T4,
SPEC. AN-QQ-A-390 CL.I,
T.S. 29,000 P.S.I., OR
2.-AL. ALLOY 5195 T6,
SPEC. AN-A-5 CL. II,
T.S. 32,000 P.S.I.
28-5AMN 28P5002 1
PBY-5 28P5002 1
PBY-5A 28P5002 1EA
28-5ME 28P5002 1
28-5MA 28P5002 1
28-5MC 28P5002 1
28-5MN 28P5002 1
28-5ANC 28P5002 1
PBY-4 28P1179
PBY-3 28P1179
PBY-2 28P1179
PBY-1 28P1179
-6 ROUGH CSTG.
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± NOTED
[redacted]
APPROVED 5-18-36 DATE
.01 CALC. WT. ACT. WT.
SCALE 12"=1'-0"
AC
NAVY NOTED NOTED NOTED Z-P-2DBE
MATERIAL SPEC. HEAT TREAT FINISH
G.A. HENRY MILLER
5-18-36 3-2-37
DRAFT CHECK EXAM. ENG.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME SPACER-ENG. CONTROLS-MECHANIC'S MIXTURE CONTROL UNIT-UPPER
DWG. SIZE B 28P1216
28P1216

SUPPLIES & EQUIPMENT CLASSIFICATION	[redacted]		
LET	ALTERATION	DATE	BY
B	TRACED UP TO DATE	2-19-37	R.A.
C.	ADDED PBY-4 REQM'TS. 3/16 DIA. WAS		
	9/32 & 2.109 +.005 -.000 WAS 2.096 +.005 -.000	1-19-38	[illegible]
D	ADDED 2-#6-32 TAPPED HOLES AND		
	LOCATING DIMENSIONS FOR SAME	3-30-38	[illegible]
E	#36 TAP WAS 3/8 DEEP	7-23-40	[illegible]
F	[illegible], REPLACED "ALUM. ALLOY CAST'G," "46A1		
	GR4," & "NAF. SA-8a" WITH "NOTED" TO		
	FACE, ADDED MATERIAL NOTE. NO WT. CHG.	8-28-43	HOOK

PBY-5 ALL

5/8

1/4

1.50

3.00 +.005 -.000

2.109 +.005 -.000

(C) 13/64 13/64

29/64

5/16

.030 R MAX

3/8

#36 (.1065) TAP DRILL
#6-32 NC3 TAP THRU (E)
2 PLACES

1/8 R

11/32

1.25

7/32 R

28P1217

5/8

1 1/4

5/8

5/8

DRILL #11 (.191) THRU

LINE DRILL "O" (.316) THRU

1/4

1/4 R

1/4

THESE HOLES TO MATCH #28P1230

1/8

7/16 DIA.

1/4

5/16

1/4 R

1/4

DRILL #26 (.147)
C'SINK 110° X 3/16 DIA.
TAP #10-24 NF-3
P.D. .1629 +.0024 -.0000

ALL FILLETS 1/8 R

FINISH:
ANODIZE, P27 PRIMER
2 DULL BLACK ENAMEL

(F) MATERIAL MAY BE-
1. - AL. ALLOY CASTING 195T4, SPEC. AN-QQ-A-390 CL. I, T.S. 29,000 P.S.I., OR
2. - AL. ALLOY CASTING 5195T6, SPEC. AN-A-5 CL. II, T.S. 32,000 P.S.I.

LIMITS ON CASTING DIMENSIONS ± 1/32
LIMITS ON MACHINING DIMENSIONS ± .010

(C) SEE RELEASE SHEET

O.H.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.
	PBY-5B	28P5002	1						
	PBY-5&5A	28P5002	1 EA						
	PBY-4	28P1179							
	PBY-3	28P1179							
	PBY-2	28P1179							
	PBY-1	28P1179							

REQUIREMENTS PER AIRPLANE — MAT. — PARTS LIST PER ASSY.

REPLACES	[illegible] 5-18-36 APPROVED DATE				
REPLACED BY	.13 CALC. WT.	ACT. WT.			
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± NOTED	SCALE FULL SIZE				
[redacted]	AC				
	NAVY NOTED	NOTED	NOTED	Z-P-2DBE	
	MATERIAL	SPEC.	HEAT TREAT	FINISH	

DRAFT	CHECK	EXAM.	ENG.
G.A. HENRY 5-18-36	[illegible] 2-20-37	MILLER	

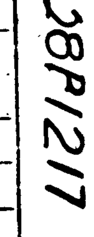
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.

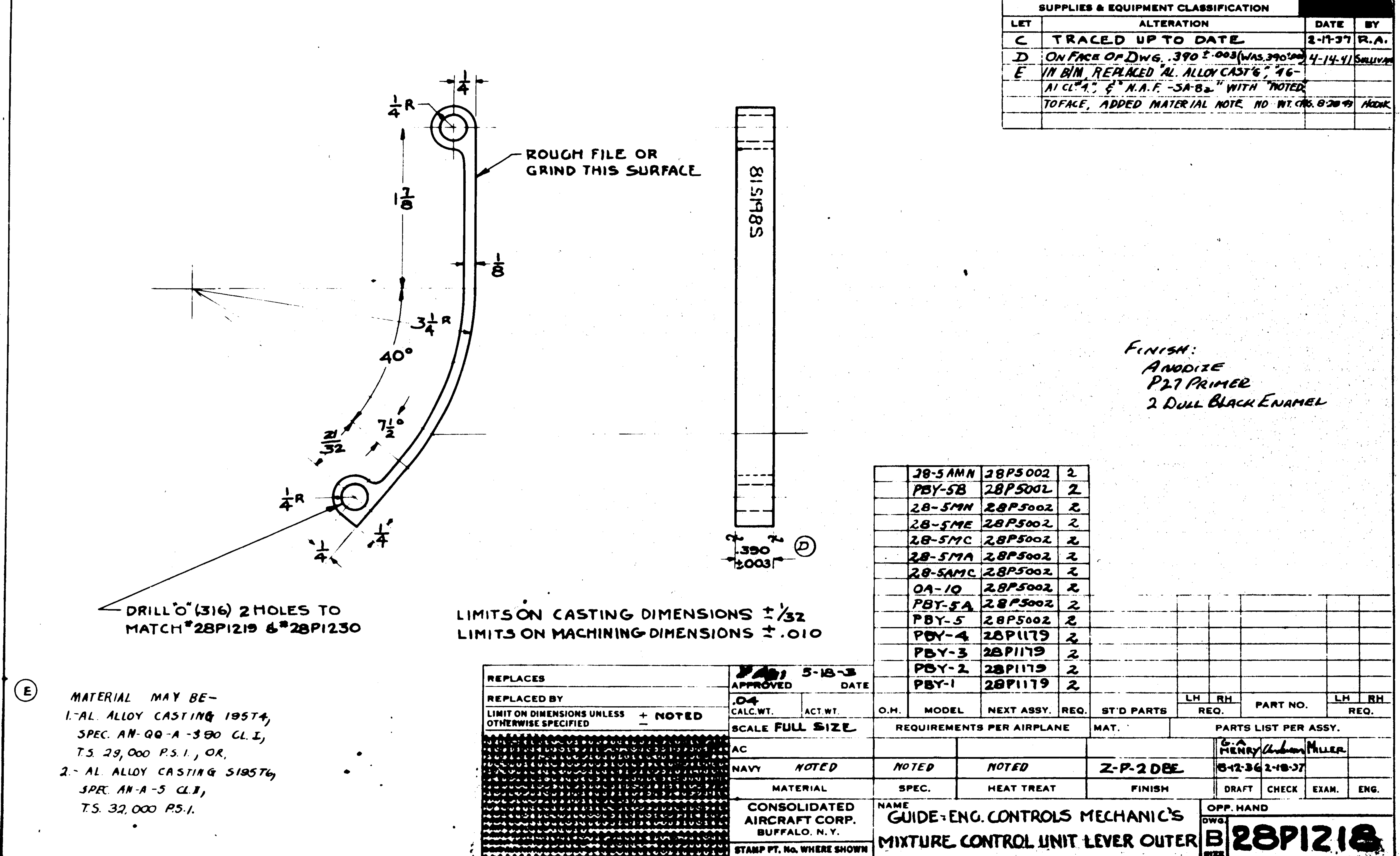
STAMP PT. No. WHERE SHOWN

NAME: SPACER-ENG. CONTROLS MECHANICS MIXTURE CONTROL UNIT LOWER

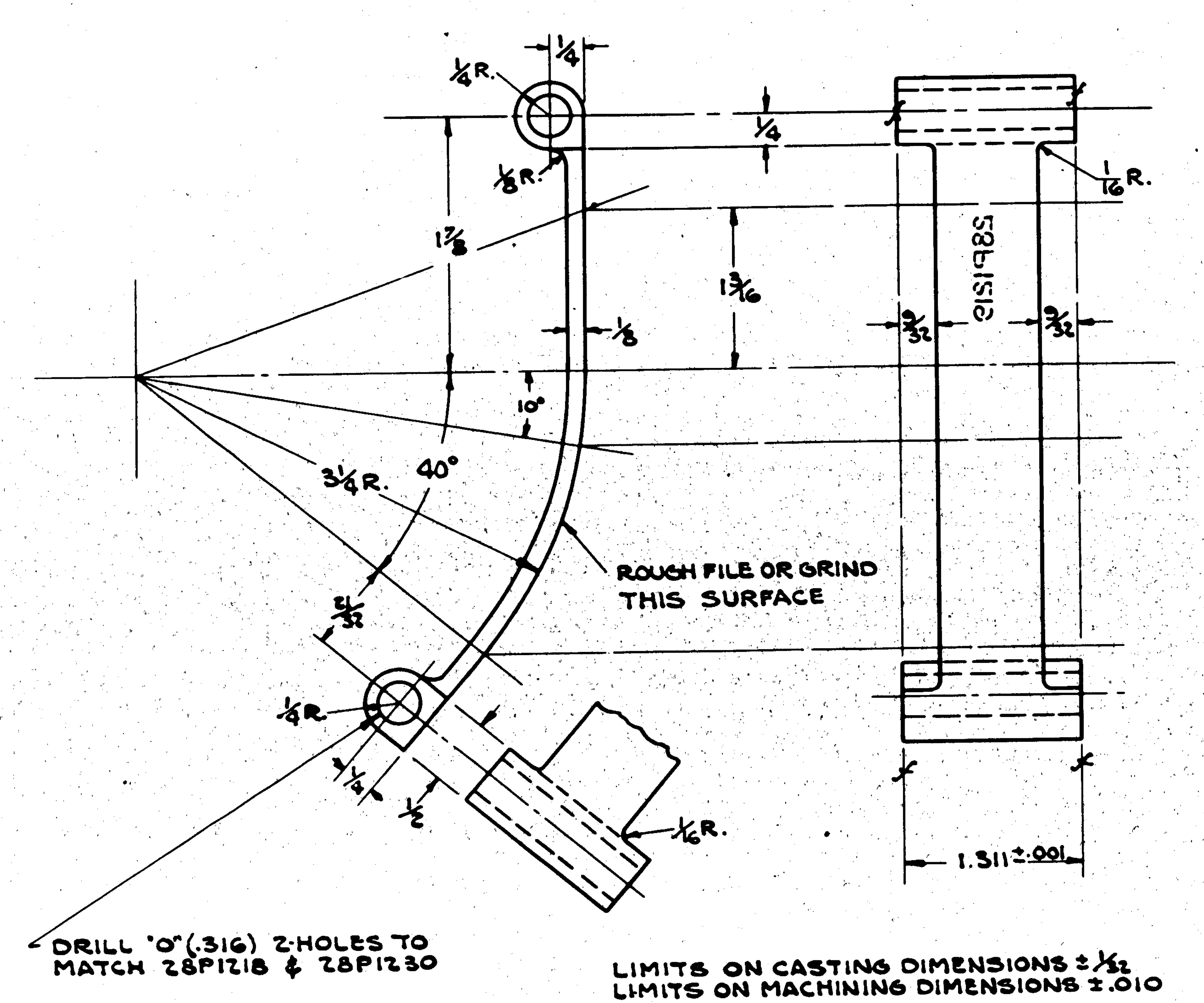
OPP. HAND

DWG. SIZE B — 28P1217




SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C | TRACED UP TO DATE | 2-17-37 | R.A.
D | ON FACE OF DWG. .390 ± .003 (WAS .390±.005) | 4-14-41 | SULLIVAN
E | IN B/M, REPLACED "AL. ALLOY CAST'G", "46-AI CL. 1", & "N.A.F. -5A-82" WITH "NOTED" TO FACE, ADDED MATERIAL NOTE NO WT. CHG. | 8-28-41 | HOOK
1/4 R
1/4
1 7/8
1/8
3 1/4 R
40°
7 1/2°
21/32
1/4 R
1/4
1/4
ROUGH FILE OR GRIND THIS SURFACE
815P85
.390 ±.003
D
FINISH:
ANODIZE
P27 PRIMER
2 DULL BLACK ENAMEL
DRILL "O" (.316) 2 HOLES TO MATCH #28P1219 & #28P1230
LIMITS ON CASTING DIMENSIONS ± 1/32
LIMITS ON MACHINING DIMENSIONS ± .010
E
MATERIAL MAY BE-
1.- AL. ALLOY CASTING 195T4, SPEC. AN-QQ-A-390 CL. I, T.S. 29,000 P.S.I., OR,
2.- AL. ALLOY CASTING S195T6, SPEC. AN-A-5 CL. II, T.S. 32,000 P.S.I.
28-5AMN | 28P5002 | 2
PBY-5B | 28P5002 | 2
28-5MN | 28P5002 | 2
28-5ME | 28P5002 | 2
28-5MC | 28P5002 | 2
28-5MA | 28P5002 | 2
28-5AMC | 28P5002 | 2
OA-10 | 28P5002 | 2
PBY-5A | 28P5002 | 2
PBY-5 | 28P5002 | 2
PBY-4 | 28P1179 | 2
PBY-3 | 28P1179 | 2
PBY-2 | 28P1179 | 2
PBY-1 | 28P1179 | 2
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± NOTED
5-18-3
APPROVED DATE
.04
CALC. WT. | ACT. WT.
SCALE FULL SIZE
AC
NAVY | NOTED | NOTED | NOTED | Z-P-2DBE
MATERIAL | SPEC. | HEAT TREAT | FINISH
G.A. HENRY | MILLER
8-12-36 | 2-18-37
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
GUIDE - ENG. CONTROLS MECHANIC'S
MIXTURE CONTROL UNIT LEVER OUTER
OPP. HAND
DWG. SIZE B 28P1218
SULLIVAN-McKEEGAN CO., INC. BUFFALO
IMPERIAL TRACING CLOTH
28P1218

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
C	TRACED	7-1-37	SNOD-GRASS
D	IN B/M, REPLACED "AL. ALLOY CAST'G", "46A1 CL.4" & "NAF SA-B2" WITH "NOTED". TO FACE, ADDED MATERIAL NOTE. NO WT. CHG.	8-28-43	HOOK



DRILL "O" (.316) 2-HOLES TO MATCH 28P1218 & 28P1230

LIMITS ON CASTING DIMENSIONS ± 1/32
LIMITS ON MACHINING DIMENSIONS ± .010

FINISH:
ANODIZE, P27 PRIMER,
2 DULL BLACK ENAMEL

(D) MATERIAL MAY BE-
1.- AL. ALLOY CASTING 195 T4, SPEC. AN-QQ-A-390 CL.I, T.S. 29,000 P.S.I., OR
2.- AL. ALLOY CASTING 5195 T6, SPEC. AN-A-5 CL.II, T.S. 32,000 P.S.I.

SEE RELEASE SHEET

O.H.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.
	PBY-5	28P5002	1						
	PBY-5A&B	28P5002	1EA						
	PBY-4	28P1179							
	PBY-3	28P1179							
	PBY-2	28P1179							
	PBY-1	28P1179							

REQUIREMENTS PER AIRPLANE — MAT. — PARTS LIST PER ASSY.

REPLACES	
REPLACED BY	
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	± NOTED
APPROVED	7-1-37 (DATE)
CALC. WT.	-.08
ACT. WT.	
SCALE	12" = 1'-0"

	MATERIAL	SPEC.	HEAT TREAT	FINISH	DRAFT	CHECK	EXAM.	ENG.
AC					8-12-36			
NAVY	NOTED	NOTED	NOTED	Z-P-2DBE	HENRY	7-1-37	MILLER	

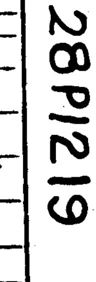
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

STAMP PT. No. WHERE SHOWN

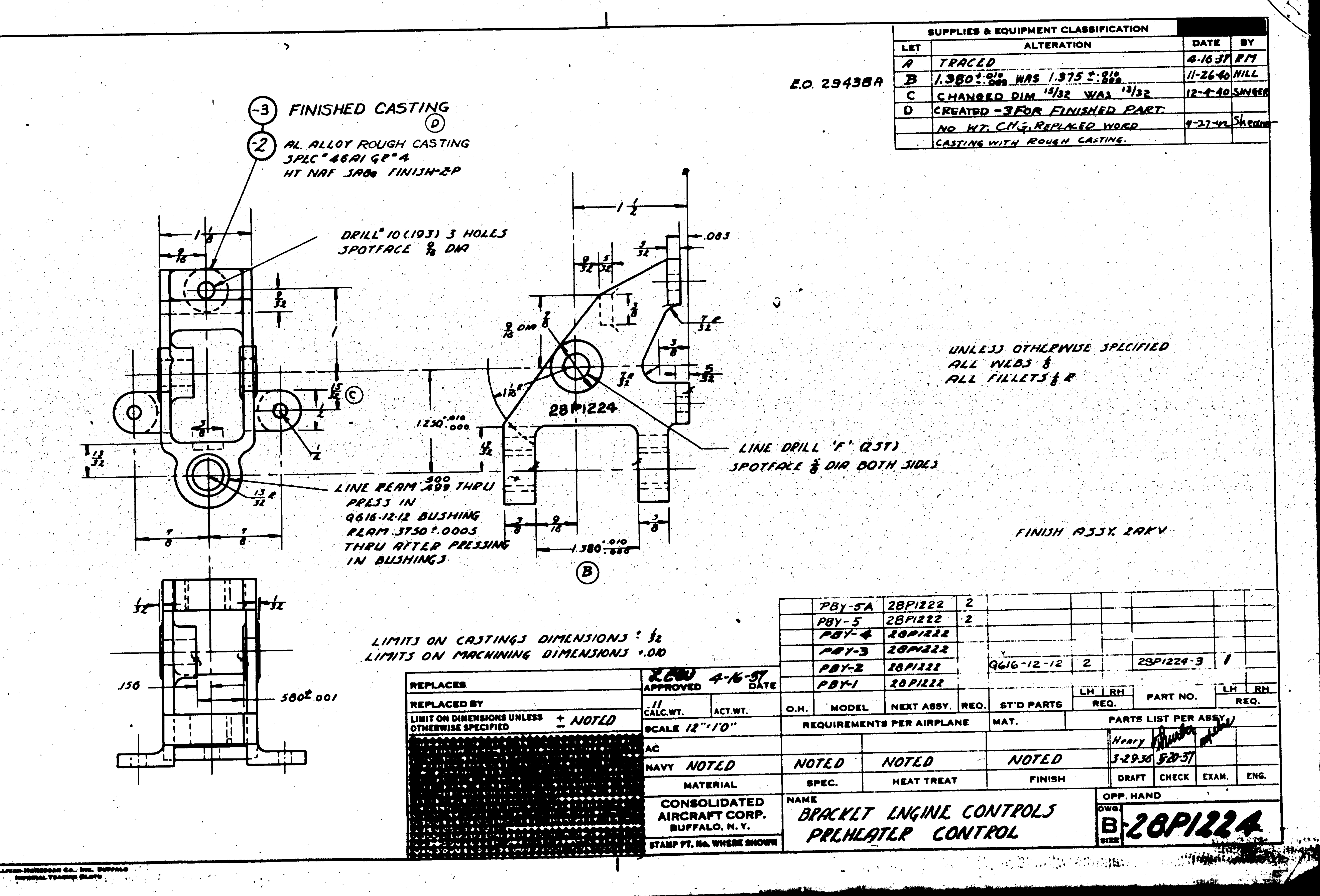
NAME: GUIDE - ENG. CONTROLS MECH'S. MIXTURE CONTROL UNIT LEVER INNER

OPP. HAND

DWG. SIZE B 28P1219



SULLIVAN-MORRISON CO., INC. BUFFALO
IMPERIAL TRACING CLOTH



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED | 4-16-37 | RM
B | 1.380 +.010 -.000 WAS 1.375 +.010 -.000 | 11-26-40 | HILL
C | CHANGED DIM 15/32 WAS 13/32 | 12-4-40 | SINGER
D | CREATED -3 FOR FINISHED PART. NO WT. CHG. REPLACED WORD CASTING WITH ROUGH CASTING. | 4-27-42 | Shearer
E.O. 29438A
-3 FINISHED CASTING (D)
-2 AL. ALLOY ROUGH CASTING
SPEC. 46A1 GR. 4
HT NAF SAB FINISH-2P
DRILL #10 (.193) 3 HOLES
SPOTFACE 9/16 DIA
LINE REAM .500/.499 THRU
PRESS IN
Q616-12-12 BUSHING
REAM .3750 ±.0005
THRU AFTER PRESSING
IN BUSHINGS
LINE DRILL 'F' (.257)
SPOTFACE 5/8 DIA BOTH SIDES
28P1224
1.250 +.010 -.000
1.380 +.010 -.000
.083
.156
.580 ±.001
UNLESS OTHERWISE SPECIFIED
ALL WEBS 1/8
ALL FILLETS 1/8 R
FINISH ASSY. 2AKV
LIMITS ON CASTINGS DIMENSIONS ± 1/32
LIMITS ON MACHINING DIMENSIONS ±.010
PBY-5A | 28P1222 | 2
PBY-5 | 28P1222 | 2
PBY-4 | 28P1222
PBY-3 | 28P1222
PBY-2 | 28P1222
PBY-1 | 28P1222
Q616-12-12 | 2 | 28P1224-3 | 1
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | REQ. LH RH | PART NO. | REQ. LH RH
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± NOTED
APPROVED 4-16-37 DATE
.11 CALC.WT. | ACT.WT.
SCALE 12" = 1'0"
AC
NAVY NOTED | NOTED | NOTED | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
Henry 3-29-36 | 3-20-37
DRAFT | CHECK | EXAM. | ENG.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME BRACKET ENGINE CONTROLS PREHEATER CONTROL
DWG. SIZE B 28P1224

PART №	DIM. "A"
28P1228-2	2 1/2
28P1228-3	3 1/4

SUPPLIES & EQUIPMENT CLASSIFICATION [redacted]

LET	ALTERATION	DATE	BY
A	TRACED	4-19-37	R.M.
B	ADDED -4 ASSY., TABULATED "A" DIM., ADDED -3	9-28-37	[illegible]
C	AN441-5 WAS AN441-4	10-5-37	SUGGS

REAM .1875 ±.0005

1/4 R.

1/4

1/4 R

45°

A

(B)

7/32 R

9/16 R

(C)

AN 441-5 RIVET

-3

-2 .004 C.M. STEEL SHT.
SPEC #47S14 H.T.-NORMALIZE
FINISH C.P.

28P1226 GEAR

FINISH ASSY.-2AKV EXCEPT GEAR TEETH

O.H.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.
							28P1228-3	1	
				AN441-5			28P1226	1	
-4	PBY-4	28P1222		PARTS ASSEMBLING ON 28P1228-4					
-4	PBY-3	28P1222					28P1228-2	1	
	PBY-2	28P1222		AN441-5			28P1226	1	
	PBY-1	28P1222		PARTS ASSEMBLING ON 28P1228					
REQUIREMENTS PER AIRPLANE				MAT.	PARTS LIST PER ASSY.				

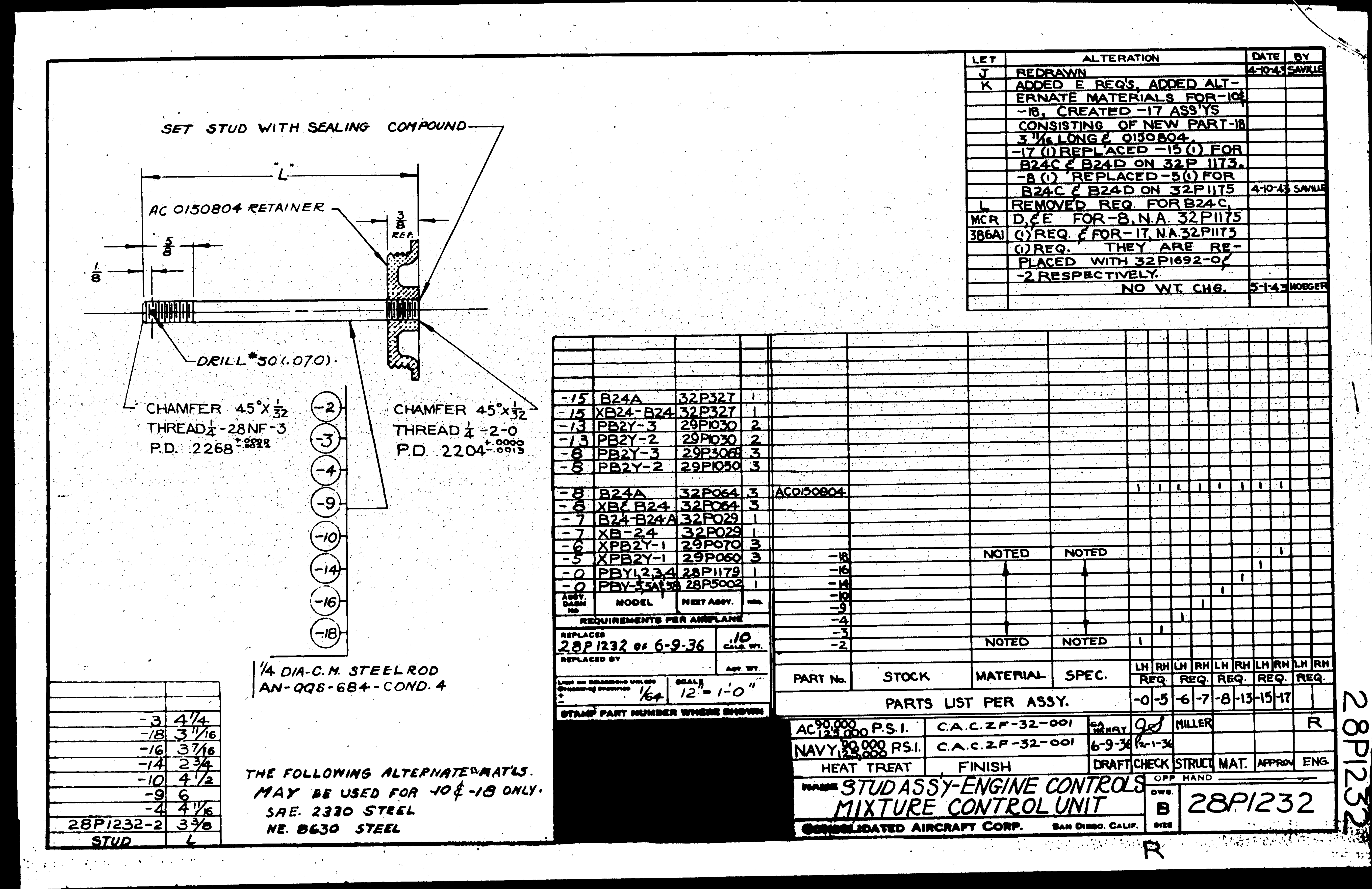
REPLACES	APPROVED [illegible] 9-19-37 DATE
REPLACED BY	CALC.WT. 18 / ACT.WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED $\pm \frac{1}{64}$ · ½°	SCALE 12"-1'0"
[redacted]	AC
	NAVY NOTED
	MATERIAL
	CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
	STAMP PT. No. WHERE SHOWN

SPEC.	HEAT TREAT	FINISH	DRAFT	CHECK	EXAM.	ENG.
NOTED		NOTED	Henry 6-10-36	[illegible] 6-20-37	[illegible]	

NAME: LEVER ASSY-ENGINE CONTROLS PREHEATER CONTROL

OPP. HAND

DWG. SIZE B — 28P1228



LET | ALTERATION | DATE | BY
J | REDRAWN | 4-10-43 | SAVILLE
K | ADDED E REQ'S, ADDED ALTERNATE MATERIALS FOR -10 & -18, CREATED -17 ASS'YS CONSISTING OF NEW PART -18 3 11/16 LONG & 0150804. -17 (1) REPLACED -15 (1) FOR B24C & B24D ON 32P 1173. -8 (1) REPLACED -5 (1) FOR B24C & B24D ON 32P1175 | 4-10-43 | SAVILLE
L MCR 386A1 | REMOVED REQ. FOR B24C, D, & E FOR -8, N.A. 32P1175 (1) REQ. & FOR -17, N.A. 32P1173 (1) REQ. THEY ARE REPLACED WITH 32P1692-0 & -2 RESPECTIVELY. NO WT. CHG. | 5-1-43 | HOEGER
SET STUD WITH SEALING COMPOUND
"L"
AC 0150804 RETAINER
3/8 REF.
5/8
1/8
DRILL *50 (.070)
CHAMFER 45° X 1/32
THREAD 1/4-28NF-3
P.D. .2268
CHAMFER 45° X 1/32
THREAD 1/4-2-0
P.D. .2204 +.0000 -.0013
-2
-3
-4
-9
-10
-14
-16
-18
1/4 DIA-C.M. STEEL ROD
AN-QQS-684-COND. 4
-3 | 4 1/4
-18 | 3 11/16
-16 | 3 7/16
-14 | 2 3/4
-10 | 4 1/2
-9 | 6
-4 | 4 11/16
28P1232-2 | 3 3/8
STUD | L
THE FOLLOWING ALTERNATE MAT'LS. MAY BE USED FOR -10 & -18 ONLY.
SAE. 2330 STEEL
NE. 8630 STEEL
-15 | B24A | 32P327 | 1
-15 | XB24-B24 | 32P327 | 1
-13 | PB2Y-3 | 29P1030 | 2
-13 | PB2Y-2 | 29P1030 | 2
-8 | PB2Y-3 | 29P3069 | 3
-8 | PB2Y-2 | 29P1050 | 3
-8 | B24A | 32P064 | 3
-8 | XB & B24 | 32P064 | 3
-7 | B24-B24A | 32P029 | 1
-7 | XB-24 | 32P029 | 1
-6 | XPB2Y-1 | 29P070 | 3
-5 | XPB2Y-1 | 29P060 | 3
-0 | PBY-1,2,3,4 | 28P1179 | 1
-0 | PBY-5,5A & 5B | 28P5002 | 1
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES 28P1232 of 6-9-36
.10 CALC. WT.
REPLACED BY
ACT. WT.
1/64
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
AC0150804
-18
-16
-14
-10
-9
-4
-3
-2
NOTED
NOTED
NOTED
NOTED
PART No. | STOCK | MATERIAL | SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
-0 -5 -6 -7 -8 -13 -15 -17
PARTS LIST PER ASSY.
AC 90,000 125,000 P.S.I. | C.A.C. ZF-32-001
NAVY 90,000 125,000 P.S.I. | C.A.C. ZF-32-001
HEAT TREAT | FINISH
HENRY 6-9-36 | 12-1-36 | MILLER
DRAFT | CHECK | STRUCT | MAT. | APPROV | ENG.
R
OPP HAND
NAME STUD ASS'Y-ENGINE CONTROLS MIXTURE CONTROL UNIT
DWG. B SIZE
28P1232
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R
28P1232

28P1233

LET	ALTERATION	DATE	BY
F	TRACED NO WT. CHG.	3-30-43	FORBES
G	REMOVE [illegible] .312 [illegible] IN		
	B/M 5/16 O.D. AL. AL. BAR		
	WAS AL. AL. BAR.		
	WT. CHG. NEG.	3-30-43	FORBES

L $^{+.000}_{-.005}$

PART NO.	L
-0	3
-2	3 7/8
-3	4 3/8
-4	2 1/2
-5	3 3/16
-6	3 9/16

ASSY DASH NO	MODEL	NEXT ASSY	REQ
-6	B24E	32P146	4
-[illegible]	B24E	32P147	2
-6	LB30	[illegible] 146	6
-[illegible]	LB30	32P147	3
-6	B24[illegible]	[illegible]	4
-[illegible]	B24[illegible]	32P147	2
-6	B24D	32P[illegible]	6
-[illegible]	B24D	32P[illegible]47	3
-[illegible]	B24C	32P[illegible]	[illegible]
-5	B24[illegible]	32P[illegible]	3
-4	PB2Y-2	[illegible]	4
-4	PB[illegible]-3	[illegible]	4
	PBY-5B	[illegible]	4

MCR 359

1 [illegible] MCR 353

ASSY DASH NO	MODEL	NEXT ASSY	REQ
	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]
	PBY-5A	[illegible]	[illegible]
	PBY-5	[illegible]	4

REQUIREMENTS PER AIRPLANE

REPLACES 28P1233 [illegible] CALC WT .02

REPLACED BY ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32

SCALE [illegible]

STAMP PART NUMBER WHERE SHOWN

[redacted]

PART No	STOCK	MATERIAL	SPEC.
	5/16 O.D. X 3 11/16	AL. AL. BAR	QQ-A-354-T
-5	5/16 O.D. X 3 3/16	↕	↕
-4	5/16 O.D. X 2 1/2		
-3	5/16 O.D. X 4 3/8		
-2	5/16 O.D. X 4		
-0	5/16 O.D. X 3 1/8	AL. AL. BAR	QQ-A-354-T

PARTS LIST PER ASSY.

-0 LH REQ.	-0 RH REQ.	-2 LH REQ.	-2 RH REQ.	-3 LH REQ.	-3 RH REQ.	-4 LH REQ.	-4 RH REQ.	-5 LH REQ.	-5 RH REQ.

			DRAFT	CHECK	STRUCT.	MAT	APPROV	ENG
AC NONE	[illegible]	GA HENRY	[illegible]	[illegible]			[illegible]	R
NAVY NONE	[illegible]		[illegible]	[illegible]				
HEAT TREAT	FINISH							

OPP. HAND

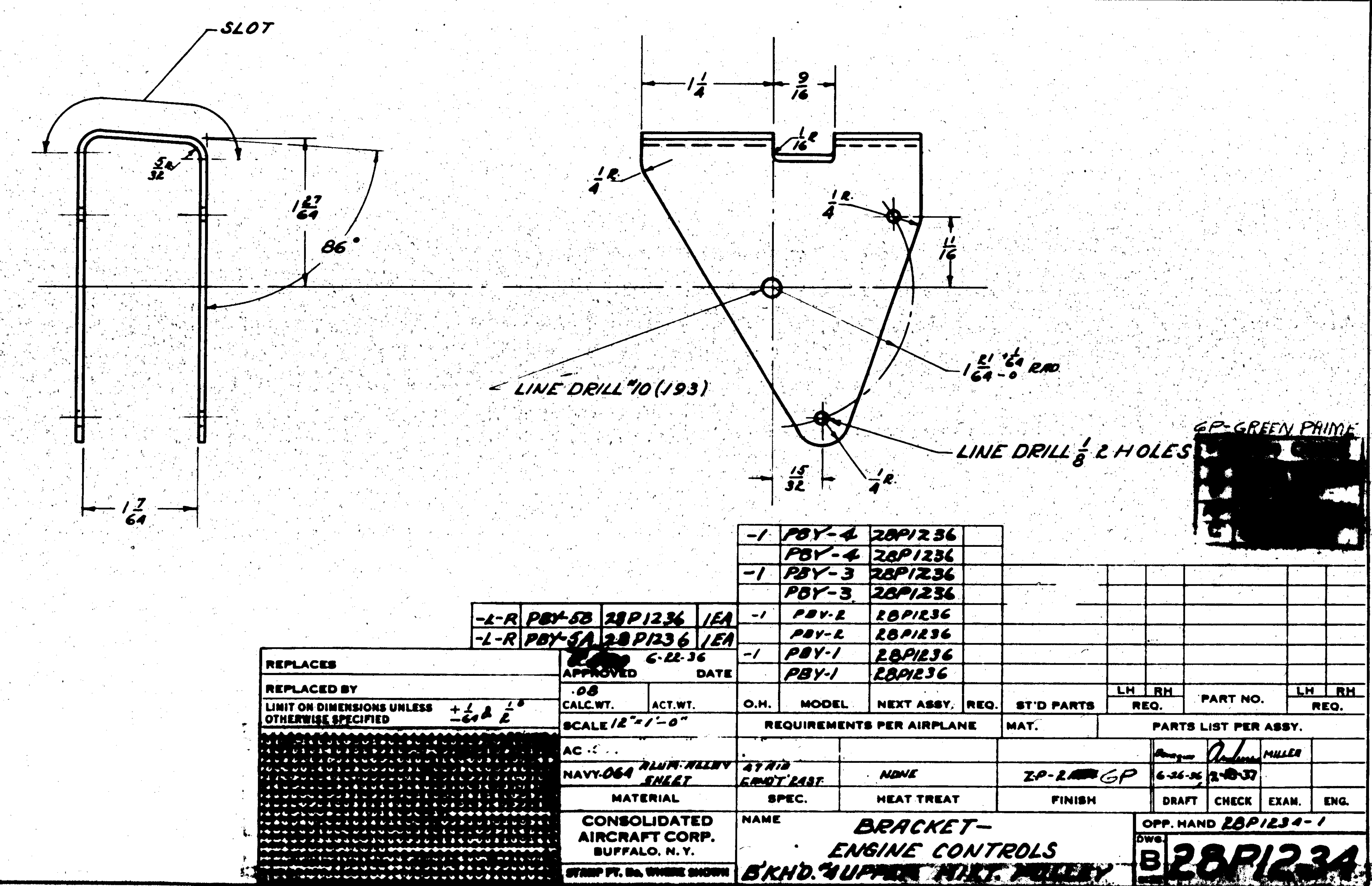
NAME SPACER-ENGINE CONTROLS MIXTURE CONTROL UNIT

DWG. SIZE B 28P1233

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
A	TRACED	2-17-37	REINSCH



LET	ALTERATION	DATE	BY
SUPPLIES & EQUIPMENT CLASSIFICATION			
A	TRACED	2-17-37	REINECK
B	CHGD. MAT'L. TO 47A10 COND A WAS 47A10 COND T	6-23-41	BLAY

28-5

SLOT

$\frac{5}{32}$ R.

$1\frac{7}{16}$

87°

$1\frac{7}{64}$

$1\frac{1}{4}$ — $\frac{3}{16}$ — $\frac{9}{16}$

$\frac{1}{4}$ R.

$\frac{1}{4}$ R.

$\frac{17}{32}$

$1\frac{21}{64}$ $^{+1/64}_{-0}$ RAD.

LINE DRILL #10 (.193)

$\frac{1}{8}$ DIA. LINE DRILL

$\frac{1}{4}$ R.

$\frac{3}{8}$

GP - GREEN PRIME

FINISH CODE

C

O.H.	MODEL	NEXT ASSY.	REQ.
-R	PBY-5A&B	28P1236	1EA
-L	PBY-5A&B	28P1236	1EA
-1	PBY-4	28P1236	
	PBY-4	28P1236	
-1	PBY-3	28P1236	
	PBY-3	28P1236	
-1	PBY-2	28P1236	
	PBY-2	28P1236	
-1	PBY-1	28P1236	
	PBY-1	28P1236	

REQUIREMENTS PER AIRPLANE

ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.

MAT. — PARTS LIST PER ASSY.

REPLACES

REPLACED BY

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED $\pm\frac{1}{64}$ & $\frac{1}{2}$°

APPROVED [signature] DATE 6-22-36

CALC. WT. .08 — ACT. WT.

SCALE 12" = 1'-0"

AC			
NAVY 064 ALUM. ALLOY SHEET	24 SO 47A10 COND. A	SR-53	Z-P-2 GP
MATERIAL	SPEC.	HEAT TREAT	FINISH

DRAFT	CHECK	EXAM.	ENG.
BOURQUIN	[signature]	MILLER	
6-24-36	2-18-37		

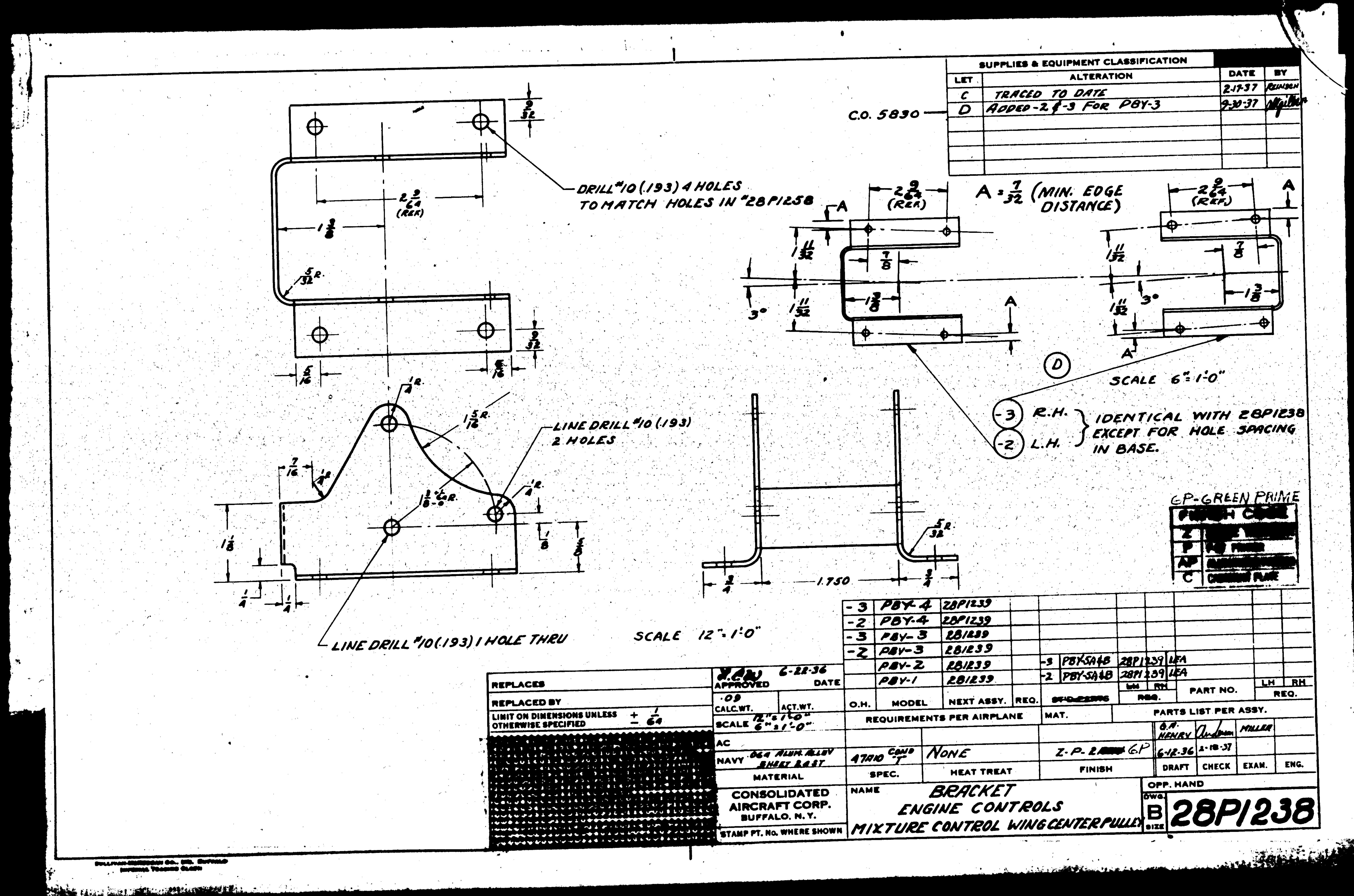
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

STAMP PT. No. WHERE SHOWN

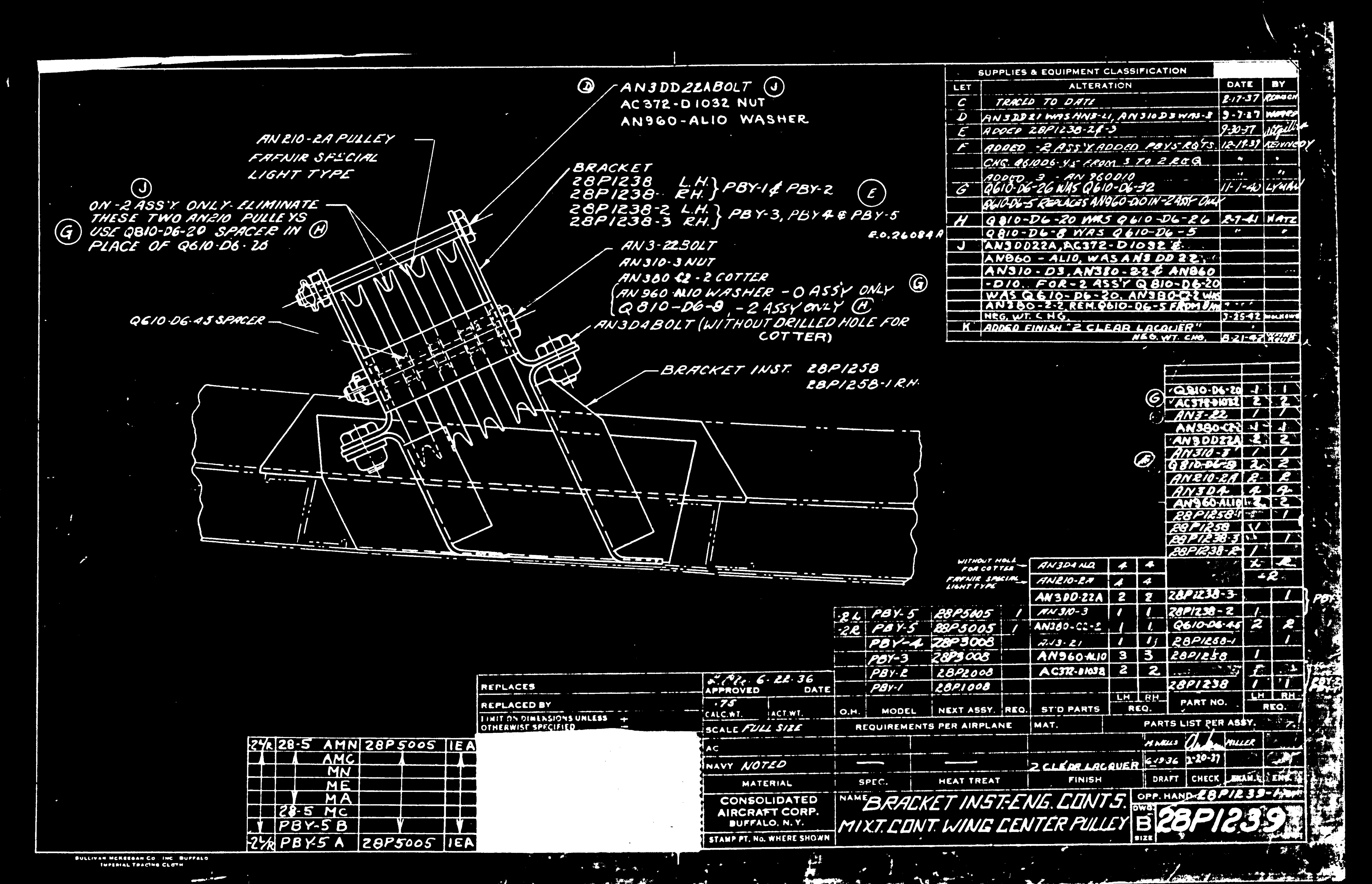
NAME BRACKET ENGINE CONTROLS B'LKHD. #4 LOWER MIXT. CONTROL

OPP. HAND 28P1235-1

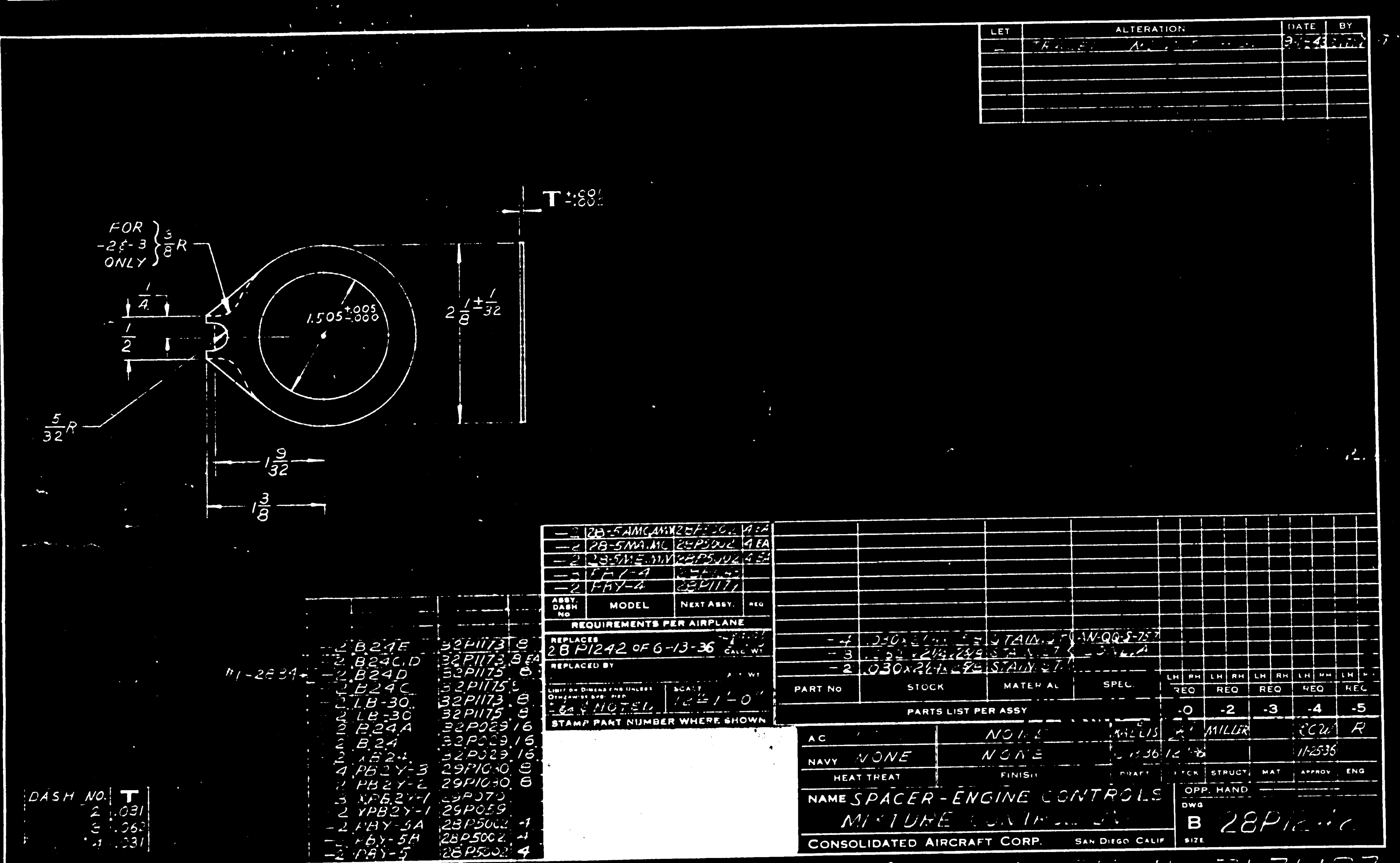
DWG. B 28P1235

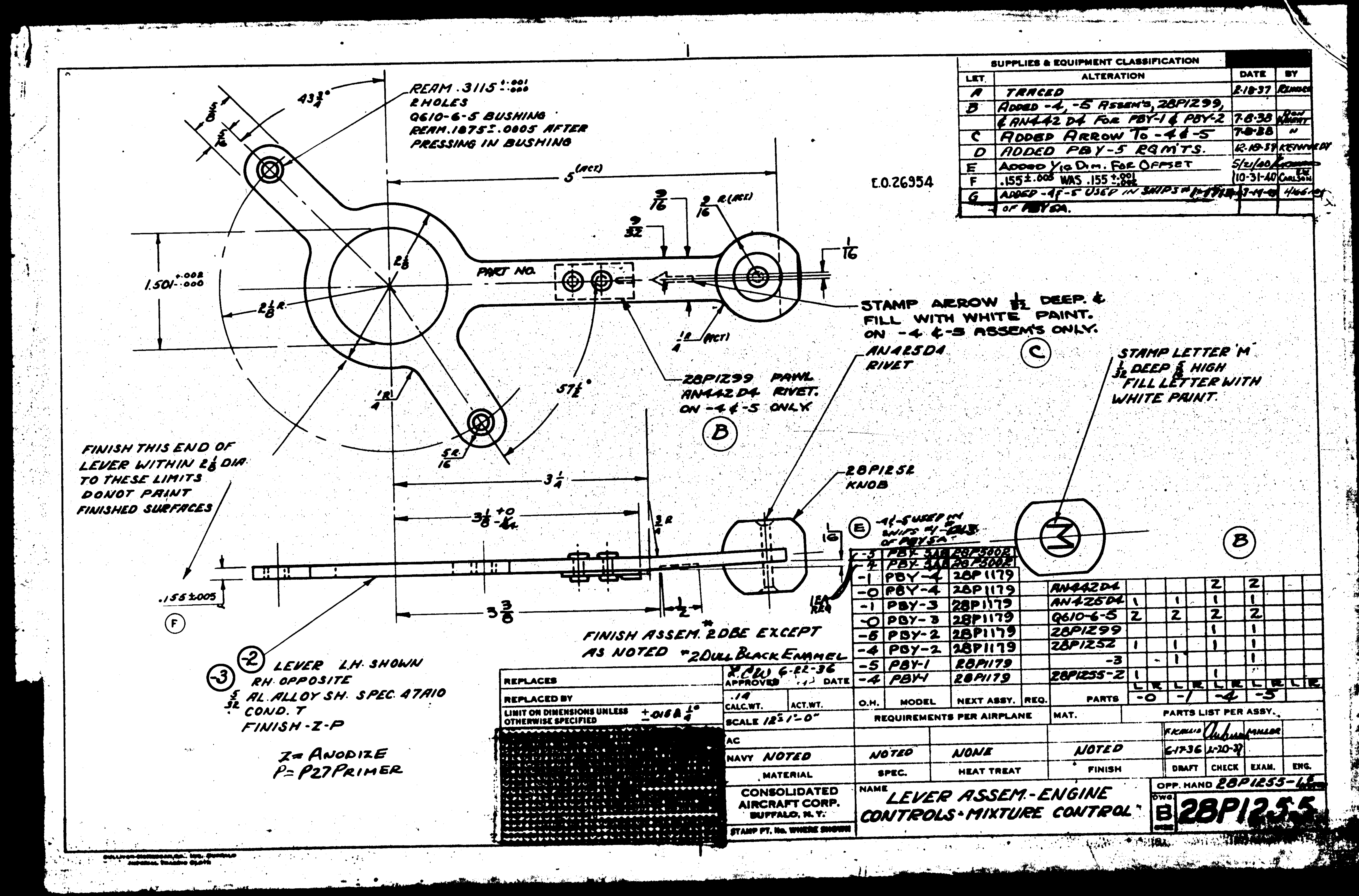


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C | TRACED TO DATE | 2-19-37
C.O. 5830 — D | ADDED -2 & -3 FOR PBY-3 | 9-30-37
DRILL #10 (.193) 4 HOLES TO MATCH HOLES IN #28P1258
A = 7/32 (MIN. EDGE DISTANCE)
2 9/64 (REF.)
1 3/8
5/32 R.
9/32
5/16
1 11/32
7/8
3°
D
SCALE 6" = 1'-0"
-3 R.H.
-2 L.H.
IDENTICAL WITH 28P1238 EXCEPT FOR HOLE SPACING IN BASE.
LINE DRILL #10 (.193) 2 HOLES
1/4 R.
1 5/16 R.
7/16
1/2 R.
1 1/8
1/8
5/8
1/4
1.750
3/4
LINE DRILL #10 (.193) 1 HOLE THRU
SCALE 12" = 1'-0"
GP-GREEN PRIME
-3 PBY-4 28P1239
-2 PBY-4 28P1239
-3 PBY-3 28P1239
-2 PBY-3 28P1239
PBY-2 28P1239
PBY-1 28P1239
-3 PBY-5A & B 28P1239 LEA
-2 PBY-5A & B 28P1239 LEA
O.H. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PART NO.
LH RH REQ.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64
APPROVED 6-22-36 DATE
.09 CALC.WT. ACT.WT.
SCALE 12" = 1'-0" 6" = 1'-0"
AC
NAVY .064 ALUM. ALLOY SHEET 24ST
MATERIAL
47A10 COND "T"
SPEC.
NONE
HEAT TREAT
Z-P-2 GP
FINISH
G.A. HENRY
MILLER
6-12-36 2-18-37
DRAFT CHECK EXAM. ENG.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME BRACKET ENGINE CONTROLS MIXTURE CONTROL WING CENTER PULLEY
DWG. B SIZE 28P1238

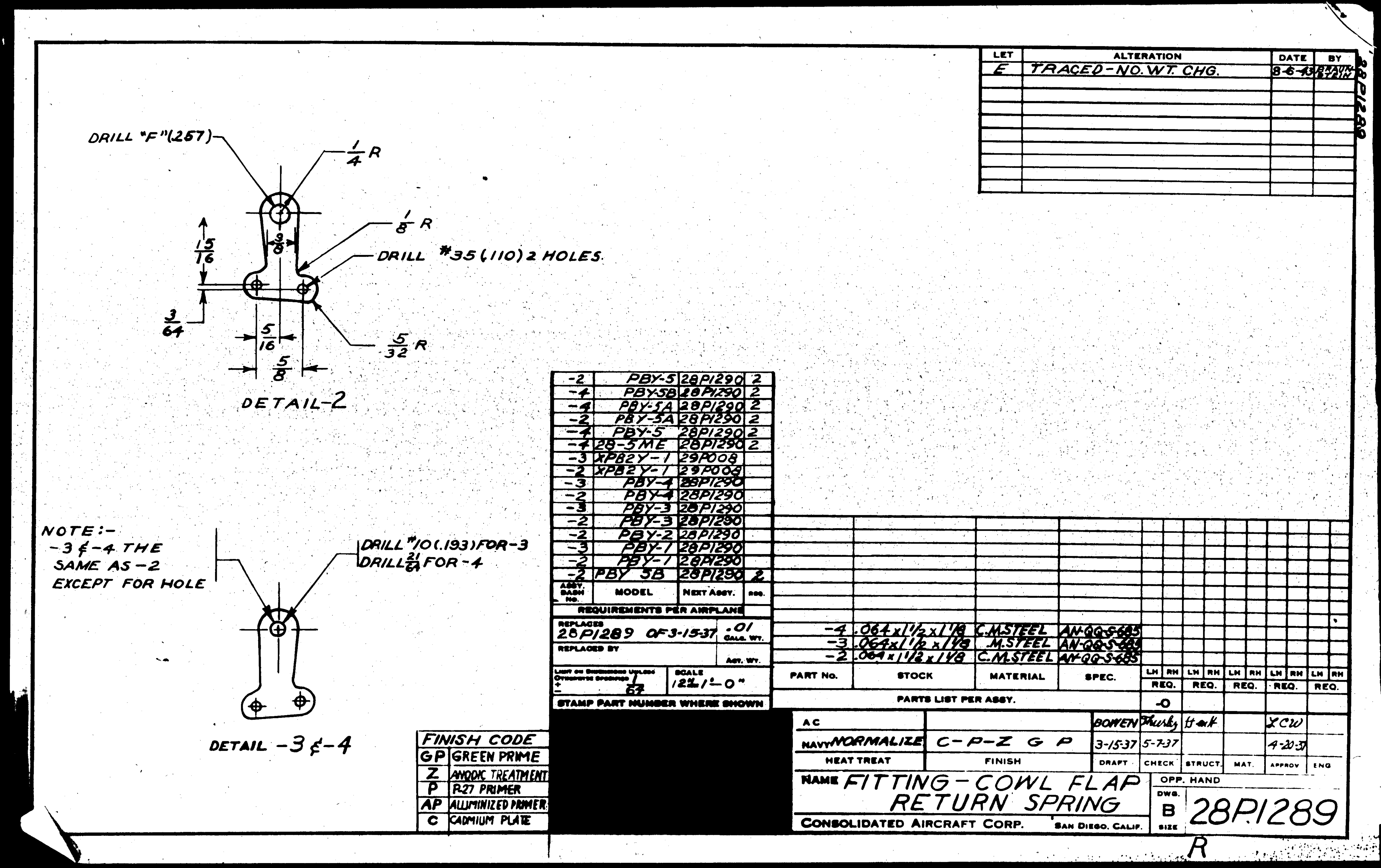


AN3DD22ABOLT (J)
AC372-D1032 NUT
AN960-AL10 WASHER
AN210-2A PULLEY
FAFNIR SPECIAL
LIGHT TYPE
BRACKET
28P1238 L.H. } PBY-1 & PBY-2
28P1238 R.H.
28P1238-2 L.H. } PBY-3, PBY4 & PBY-5
28P1238-3 R.H.
(E)
E.O.26084A
(J)
ON -2 ASS'Y ONLY- ELIMINATE
THESE TWO AN210 PULLEYS
USE Q810-D6-20 SPACER IN (H)
PLACE OF Q610-D6-26
(G)
AN3-22BOLT
AN310-3 NUT
AN380 C2-2 COTTER
AN960-AL10 WASHER - 0 ASS'Y ONLY
Q810-D6-8, -2 ASS'Y ONLY (H)
(G)
Q610-D6-45 SPACER
AN3D4BOLT (WITHOUT DRILLED HOLE FOR COTTER)
BRACKET INST. 28P1258
28P1258-1 R.H.
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C | TRACED TO DATE | 2-17-37
D | AN3DD21 WAS AN3-21, AN310D3 WAS-3 | 9-7-37
E | ADDED 28P1238-2 & -3 | 9-30-37
F | ADDED -2 ASS'Y ADDED PBY5 RQTS. | 12-19-39
CHG. Q61006-45 FROM 3 TO 2 REQ.
ADDED 3 - AN960D10
G | Q610-D6-26 WAS Q610-D6-32 | 11-1-40 | LYMAN
Q610-D6-5 REPLACES AN960-D10 IN -2 ASS'Y ONLY
H | Q810-D6-20 WAS Q610-D6-26 | 2-7-41
Q810-D6-8 WAS Q610-D6-5
J | AN3DD22A, AC372-D1032 &
AN960 - AL10, WAS AN3 DD 22,
AN310 - D3, AN380 - 22 & AN960
-D10. FOR -2 ASS'Y Q810-D6-20
WAS Q610-D6-20. AN380-C2-2 WAS
AN380-2-2 REM. Q610-D6-5 FROM
NEG. WT. CHG. | 3-25-42
K | ADDED FINISH "2 CLEAR LACQUER" | 8-21-42
NEG. WT. CHG.
Q810-D6-20 | 1 | 1
AC372-D1032 | 2 | 2
AN3-22 | 1 | 1
AN380-C2-2 | 1 | 1
AN3DD22A | 2 | 2
AN310-3 | 1 | 1
Q810-D6-8 | 2 | 2
AN210-2A | 2 | 2
AN3D4 | 4 | 4
AN960-AL10 | 2 | 2
28P1258-1 | | 1
28P1258 | 1 |
28P1238-3 | | 1
28P1238-2 | 1 |
WITHOUT HOLE FOR COTTER — AN3D4 NO. | 4 | 4
FAFNIR SPECIAL LIGHT TYPE — AN210-2A | 4 | 4
AN3DD-22A | 2 | 2 | 28P1238-3 | | 1
AN310-3 | 1 | 1 | 28P1238-2 | 1 |
AN380-C2-2 | 1 | 1 | Q610-D6-45 | 2 | 2
AN3-21 | 1 | 1 | 28P1258-1 | | 1
AN960-AL10 | 3 | 3 | 28P1258 | 1 |
AC372-D1032 | 2 | 2 | [illegible]
28P1238 | 1 | 1
-2L | PBY-5 | 28P5005 | 1
-2R | PBY-5 | 28P5005 | 1
PBY-4 | 28P3008
PBY-3 | 28P3008
PBY-2 | 28P2008
PBY-1 | 28P1008
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | REQ. LH RH | PART NO. | REQ. LH RH
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
APPROVED 6-22-36 DATE
.75 CALC.WT. | ACT.WT.
SCALE FULL SIZE
AC
NAVY NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH 2 CLEAR LACQUER
DRAFT 6-19-36 | CHECK 2-20-37 | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME BRACKET INST.-ENG. CONTS.
MIXT. CONT. WING CENTER PULLEY
OPP. HAND 28P1239-1
DWG. B 28P1239 SIZE
2L/R | 28-5 AMN | 28P5005 | 1EA
AMC
MN
ME
MA
28-5 MC
PBY-5 B
2L/R | PBY-5 A | 28P5005 | 1EA
SULLIVAN McKEEGAN Co. INC. BUFFALO
IMPERIAL TRACING CLOTH

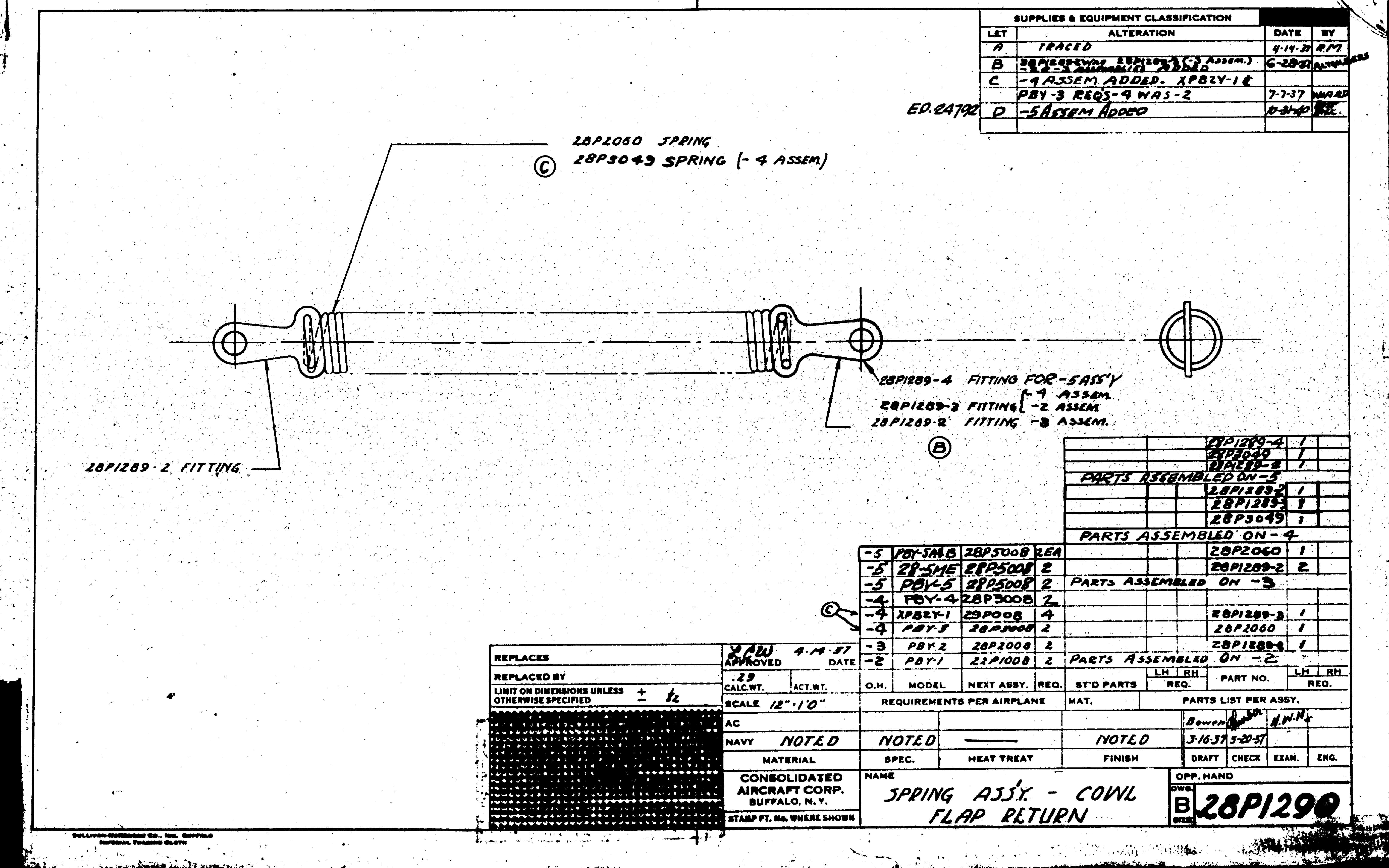

LET
ALTERATION
DATE
BY
T ±.001
FOR -2 & -3 ONLY 3/8 R
1/4
1/2
1.505 +.005 -.000
2 1/8 ± 1/32
5/32 R
1 9/32
1 3/8
ASSY. DASH NO
MODEL
NEXT ASSY.
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
28P1242 OF 6-13-36
CALC. WT.
REPLACED BY
SCALE
STAMP PART NUMBER WHERE SHOWN
-2 28-5AMC,AMX
-2 28-5MA,MC 28P5002 4 EA
-2 28-5ME,MV
-2 PBY-4
-2 PBY-4 28P1171
-2 B24E 32P1173 8
-2 B24C,D 32P1173 8 EA
-2 B24D 32P1175 8
-2 LB-30 32P1173 8
-2 LB-30 32P1175 8
-2 B24A 32P029 16
4 PB2Y-3 29P1030 8
PB2Y-2 29P1030 8
-2 PBY-5A 28P5002 4
-2 PBY-5B 28P5002 4
-2 PBY-5 28P5002 4
DASH NO. T
2 .031
3 .062
4 .031
PART No
STOCK
MATERIAL
SPEC.
AN-QQ-S-757
-4 .030
-3
-2 .030
PARTS LIST PER ASSY
LH RH REQ
-0 -2 -3 -4 -5
AC
NONE
NAVY NONE
HEAT TREAT
FINISH
MILLER
11-25-36
DRAFT
STRUCT
MAT
APPROV
ENG
OPP. HAND
DWG
NAME SPACER - ENGINE CONTROLS
MIXTURE
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO CALIF
B 28P12
SIZE



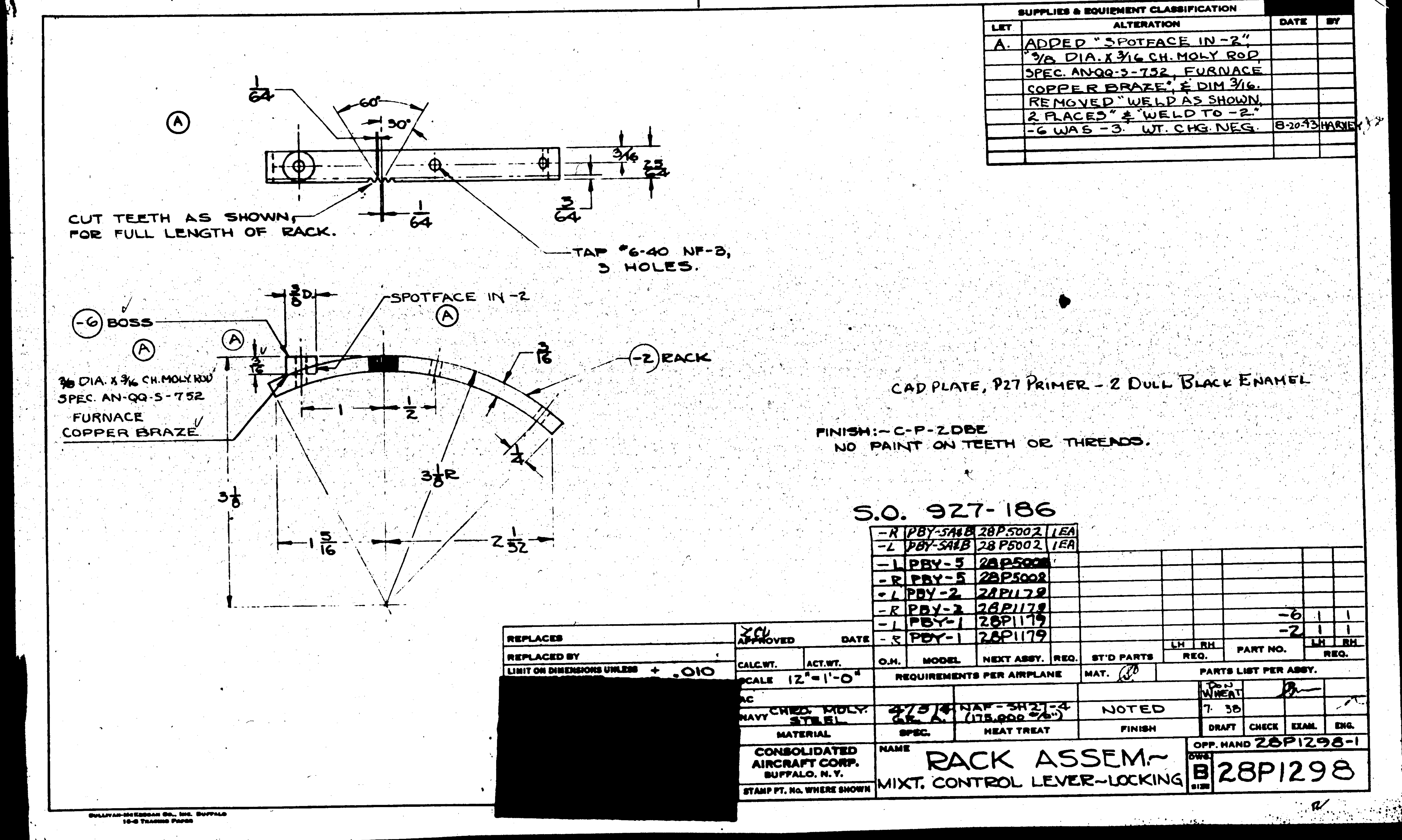
SUPPLIES & EQUIPMENT CLASSIFICATION
LET. | ALTERATION | DATE | BY
A | TRACED | 2-18-37
B | ADDED -4, -5 ASSEM'S, 28P1299, & AN442 D4 FOR PBY-1 & PBY-2 | 7-8-38
C | ADDED ARROW TO -4 & -5 | 7-8-38
D | ADDED PBY-5 RQM'TS. | 12-18-39 | KENNEDY
E | ADDED 1/16 DIM. FOR OFFSET | 5/21/40
F | .155±.005 WAS .155 +.001 -.002 | 10-31-40 | CARLSON
G | ADDED -4 & -5 USED IN SHIPS OF PBY5A.
E.O. 26954
REAM .3115 +.001 -.000
2 HOLES
Q610-6-5 BUSHING
REAM .1875±.0005 AFTER PRESSING IN BUSHING
$43\frac{3}{4}°$
5 (ACT)
PART NO.
1.501 +.002 -.000
$2\frac{1}{8}$ R.
$2\frac{1}{8}$
9/16
9/32
9/16 R. (ACT)
1/16
1/4 R. (ACT)
1/4 R.
5/16 R.
$57\frac{1}{2}°$
STAMP ARROW 1/32 DEEP & FILL WITH WHITE PAINT. ON -4 & -5 ASSEM'S ONLY.
28P1299 PAWL
AN442 D4 RIVET.
ON -4 & -5 ONLY
AN425D4 RIVET
STAMP LETTER 'M' 1/32 DEEP 5/8 HIGH
FILL LETTER WITH WHITE PAINT.
FINISH THIS END OF LEVER WITHIN $2\frac{1}{8}$ DIA TO THESE LIMITS
DO NOT PAINT FINISHED SURFACES
$3\frac{1}{4}$
$3\frac{1}{8}$
$3\frac{3}{8}$
28P1252 KNOB
-4 & -5 USED IN SHIPS OF PBY5A
.155±.005
FINISH ASSEM. *2DBE EXCEPT AS NOTED *2 DULL BLACK ENAMEL
-2 LEVER L.H. SHOWN
-3 RH OPPOSITE
5/32 AL. ALLOY SH. SPEC. 47A10 COND. T
FINISH - Z - P
Z = ANODIZE
P = P27 PRIMER
-3 | PBY-5A | 28P3002
-4 | PBY-5A | 28P3002
-1 | PBY-4 | 28P1179
-0 | PBY-4 | 28P1179
-1 | PBY-3 | 28P1179
-0 | PBY-3 | 28P1179
-5 | PBY-2 | 28P1179
-4 | PBY-2 | 28P1179
-5 | PBY-1 | 28P1179
-4 | PBY-1 | 28P1179
O.H. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
AN442D4 | 2 | 2
AN425D4 | 1 | 1 | 1 | 1
Q610-6-5 | 2 | 2 | 2 | 2
28P1299 | 1 | 1
28P1252 | 1 | 1 | 1 | 1
-3 | 1 | 1
28P1255-2 | 1 | 1
L R L R L R L R
PARTS | -0 | -1 | -4 | -5
MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±.015 & 1/4°
APPROVED 6-22-36 DATE
.14 CALC. WT. | ACT. WT.
SCALE 12" = 1'-0"
AC
NAVY NOTED | NOTED | NONE | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
6-17-36 | 2-20-37
DRAFT | CHECK | EXAM. | ENG.
OPP. HAND 28P1255-L
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME LEVER ASSEM. - ENGINE CONTROLS - MIXTURE CONTROL
DWG. B 28P1255

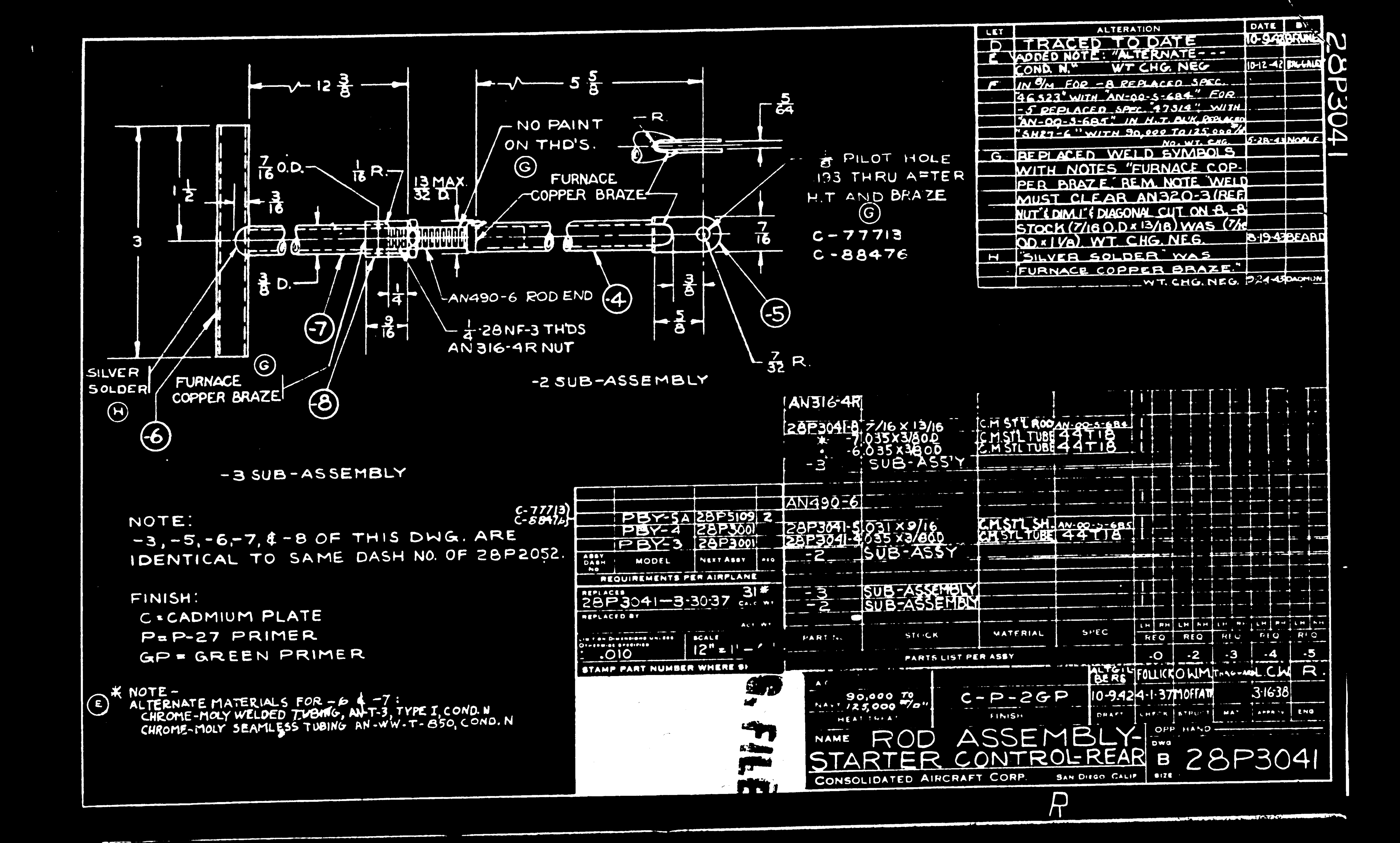


LET
ALTERATION
DATE
BY
E
TRACED-NO. WT. CHG.
8-6-43
BRAUNSTEIN
28P1289
DRILL "F" (.257)
1/4 R
1/8 R
9/8
15/16
DRILL #35 (.110) 2 HOLES.
3/64
5/16
5/32 R
5/8
DETAIL-2
NOTE:-
-3 & -4 THE SAME AS -2 EXCEPT FOR HOLE
DRILL #10 (.193) FOR -3
DRILL 21/64 FOR -4
DETAIL -3 & -4
-2 PBY-5 28P1290 2
-4 PBY-5B 28P1290 2
-4 PBY-5A 28P1290 2
-2 PBY-5A 28P1290 2
-4 PBY-5 28P1290 2
-4 28-5ME 28P1290 2
-3 XPB2Y-1 29P008
-2 XPB2Y-1 29P008
-3 PBY-4 28P1290
-2 PBY-4 28P1290
-3 PBY-3 28P1290
-2 PBY-3 28P1290
-2 PBY-2 28P1290
-3 PBY-1 28P1290
-2 PBY-1 28P1290
-2 PBY 5B 28P1290 2
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
28P1289 OF 3-15-37
.01
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/64
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
-4 .064 x 1 1/2 x 1 1/8 C.M.STEEL AN-QQ-S-685
-3 .064 x 1 1/2 x 1 1/8 M.STEEL AN-QQ-S-685
-2 .064 x 1 1/2 x 1 1/8 C.M.STEEL AN-QQ-S-685
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
PARTS LIST PER ASSY.
-0
FINISH CODE
GP GREEN PRIME
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
AC
NAVY NORMALIZE
C-P-Z G P
HEAT TREAT
FINISH
BOWEN
3-15-37
5-7-37
4-20-37
DRAFT
CHECK
STRUCT.
MAT.
APPROV
ENG
NAME FITTING-COWL FLAP RETURN SPRING
OPP. HAND
DWG.
B
SIZE
28P1289
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
R



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED | 4-14-37 | R.M.
B | 28P1289-2 WAS 28P1289-3 (-3 ASSEM.) -2 & -3 ASSEMBLIES ADDED | 6-28-37
C | -4 ASSEM. ADDED. XP82Y-1 & PBY-3 REQS-4 WAS-2 | 7-7-37 | WARD
ED. 24792 | D | -5 ASSEM ADDED | 10-31-40
28P2060 SPRING
28P3049 SPRING (-4 ASSEM)
28P1289-4 FITTING FOR -5 ASS'Y
28P1289-3 FITTING -4 ASSEM. -2 ASSEM
28P1289-2 FITTING -3 ASSEM.
28P1289-2 FITTING
28P1289-4 | 1
28P3049 | 1
28P1289-2 | 1
PARTS ASSEMBLED ON -5
28P1289-2 | 1
28P1289-3 | 1
28P3049 | 1
PARTS ASSEMBLED ON -4
28P2060 | 1
28P1289-2 | 2
PARTS ASSEMBLED ON -3
28P1289-3 | 1
28P2060 | 1
28P1289-2 | 1
PARTS ASSEMBLED ON -2
-5 | PBY-5A & B | 28P5008 | 2 EA
-5 | 28-5ME | 28P5008 | 2
-5 | PBY-5 | 28P5008 | 2
-4 | PBY-4 | 28P3008 | 2
-4 | XP82Y-1 | 29P008 | 4
-4 | PBY-3 | 28P3008 | 2
-3 | PBY-2 | 28P2008 | 2
-2 | PBY-1 | 22P1008 | 2
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/2
APPROVED 4-14-37 DATE
.29 CALC. WT.
ACT. WT.
SCALE 12" - 1'0"
AC
NAVY NOTED
MATERIAL
NOTED
SPEC.
HEAT TREAT
NOTED
FINISH
Bowen | 3-16-37 | 5-20-37
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
SPRING ASS'Y. - COWL FLAP RETURN
OPP. HAND
DWG. SIZE B
28P1290

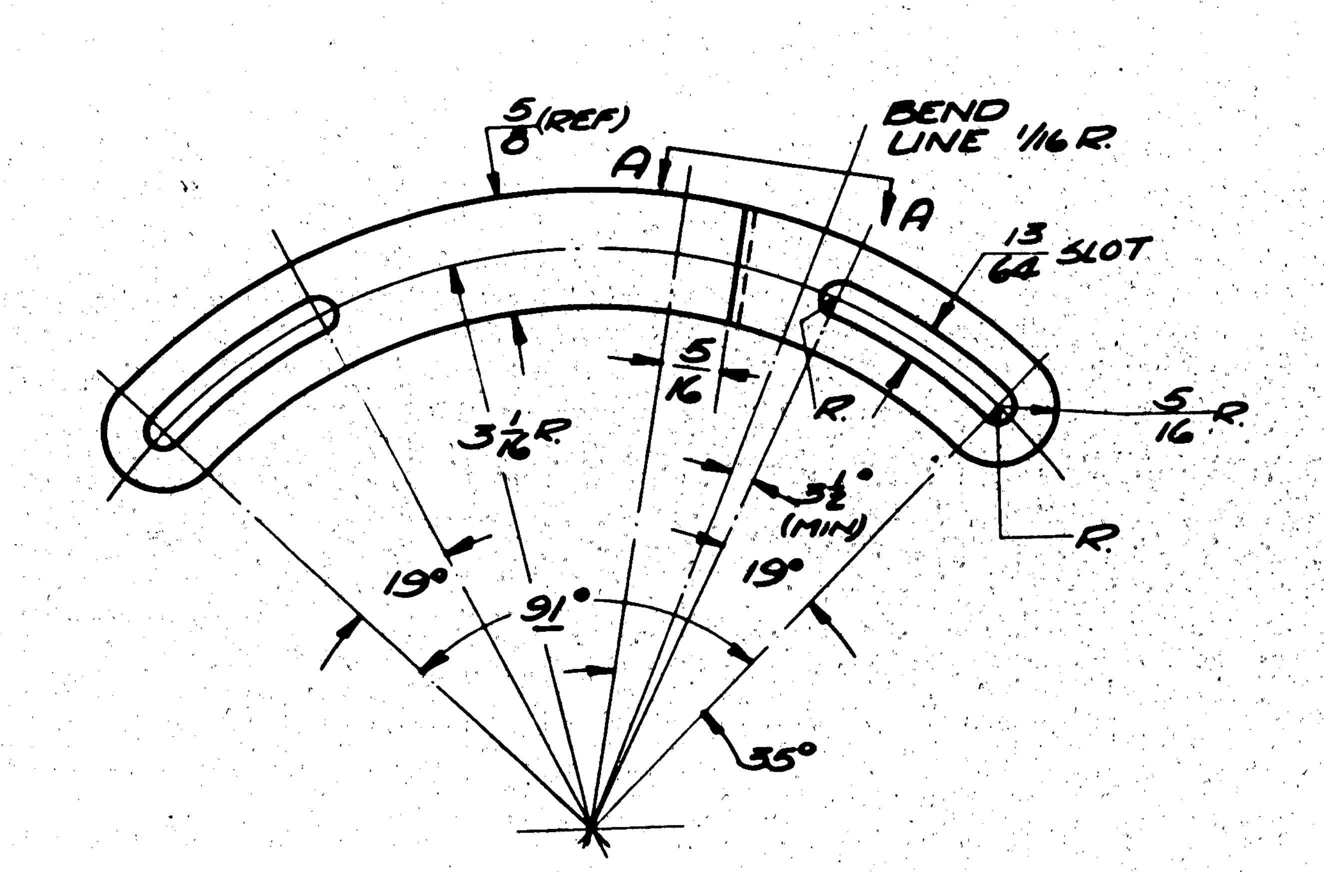

SUPPLIES & EQUIPMENT CLASSIFICATION
LET. ALTERATION DATE BY
A. ADDED "SPOTFACE IN -2", "3/8 DIA. X 3/16 CH. MOLY ROD, SPEC. AN-QQ-S-752, FURNACE COPPER BRAZE", & DIM 3/16. REMOVED "WELD AS SHOWN 2 PLACES" & "WELD TO -2" -6 WAS -3. WT. CHG. NEG. 8-20-43 HARVEY
A
1/64
60°
30°
3/16
25/64
3/64
CUT TEETH AS SHOWN, FOR FULL LENGTH OF RACK.
1/64
TAP #6-40 NF-3, 3 HOLES.
3/8 D.
SPOTFACE IN -2
-6 BOSS
A
A
A
3/16
3/16
-2 RACK
3/8 DIA. X 3/16 CH. MOLY ROD
SPEC. AN-QQ-S-752
FURNACE
COPPER BRAZE
1
1/2
1/4
3 1/8 R
3 1/8
1 5/16
2 1/32
CAD PLATE, P27 PRIMER - 2 DULL BLACK ENAMEL
FINISH:- C-P-2DBE
NO PAINT ON TEETH OR THREADS.
S.O. 927-186
-R PBY-5A&B 28P5002 1EA
-L PBY-5A&B 28P5002 1EA
-L PBY-5 28P5008
-R PBY-5 28P5008
-L PBY-2 28P1178
-R PBY-2 28P1178
-L PBY-1 28P1179
-R PBY-1 28P1179
-6 1 1
-2 1 1
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS ± .010
[redacted]
APPROVED DATE
CALC.WT. ACT.WT.
SCALE 12" = 1'-0"
AC
NAVY CHRO. MOLY. STEEL
MATERIAL
AN-QQ-S-752 GR. A.
SPEC.
NAF-SH27-4 (175,000 #/□")
HEAT TREAT
NOTED
FINISH
DON WHEAT 7-38
DRAFT CHECK EXAM. ENG.
OPP. HAND 28P1298-1
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
RACK ASSEM.-
MIXT. CONTROL LEVER-LOCKING
DWG. B SIZE
28P1298
SULLIVAN-McKEEGAN CO., INC. BUFFALO
10-G TRACING PAPER



28P3041
LET | ALTERATION | DATE | BY
D TRACED TO DATE 10-9-42
E ADDED NOTE: "ALTERNATE - - COND. N" WT CHG. NEG 10-12-42
F IN G/M FOR -8 REPLACED SPEC. "46523" WITH "AN-QQ-S-684" FOR -5 REPLACED SPEC. "47514" WITH "AN-QQ-S-685" IN H.T. BLK. REPLACED "SH27-6" WITH 90,000 TO 125,000 #/□" NO. WT. CHG. 5-28-43
G REPLACED WELD SYMBOLS WITH NOTES "FURNACE COPPER BRAZE" REM. NOTE "WELD MUST CLEAR AN320-3 (REF) NUT" & DIM. 1" & DIAGONAL CUT ON -8. -8 STOCK (7/16 O.D. x 13/16) WAS (7/16 OD x 1 1/8) WT. CHG. NEG. 8-19-43
H "SILVER SOLDER" WAS "FURNACE COPPER BRAZE." WT. CHG. NEG. 9-24-43
12 3/8
5 5/8
NO PAINT ON THD'S. (G)
FURNACE COPPER BRAZE
R.
5/64
1/8 PILOT HOLE .193 THRU AFTER H.T AND BRAZE (G)
7/16 O.D.
1/16 R.
13/32 D. MAX.
1 1/2
3/16
3
7/16
C-77713
C-88476
3/8 D.
1/4
AN490-6 ROD END (-4)
(-5)
(-7)
9/16
1/4-28NF-3 THD'S
AN316-4R NUT
3/8
5/8
7/32 R.
SILVER SOLDER (H)
FURNACE COPPER BRAZE (G)
(-8)
(-6)
-2 SUB-ASSEMBLY
-3 SUB-ASSEMBLY
NOTE:
-3, -5, -6, -7, & -8 OF THIS DWG. ARE IDENTICAL TO SAME DASH NO. OF 28P2052.
FINISH:
C = CADMIUM PLATE
P = P-27 PRIMER
GP = GREEN PRIMER
(E) * NOTE -
ALTERNATE MATERIALS FOR -6 & -7:
CHROME-MOLY WELDED TUBING, AN-T-3, TYPE I, COND. N
CHROME-MOLY SEAMLESS TUBING AN-WW-T-850, COND. N
AN316-4R
28P3041-8 7/16 x 13/16 C.M. STL. ROD AN-QQ-S-684
* -7 .035 x 3/8 O.D. C.M. STL. TUBE 44T18
* -6 .035 x 3/8 O.D. C.M. STL. TUBE 44T18
-3 SUB-ASS'Y
AN490-6
28P3041-5 .031 x 9/16 C.M. STL. SH. AN-QQ-S-685
28P3041-4 .035 x 3/8 O.D. C.M. STL. TUBE 44T18
-2 SUB-ASSY
-3 SUB-ASSEMBLY
-2 SUB-ASSEMBLY
PART No. | STOCK | MATERIAL | SPEC
PARTS LIST PER ASSY
REQ -0 | REQ -2 | REQ -3 | REQ -4 | REQ -5
C-77713
C-88476
PBY-5A 28P5109 2
PBY-4 28P3001
PBY-3 28P3001
ASSY DASH No | MODEL | NEXT ASSY | REQ
REQUIREMENTS PER AIRPLANE
REPLACES 28P3041-3-30-37
31# CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED .010
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
FILE
NAVY 90,000 TO 125,000 #/□"
HEAT TREAT
C-P-2GP
FINISH
ALT'G'L BERS 10-9-42 | FOLLICK 4-1-37 | OWM MOFFATT | THRG-AAL | L.CW 3-16-38 | R.
DRAFT | CHECK | STRUCT | MAT | APPROV | ENG
OPP. HAND
NAME ROD ASSEMBLY-STARTER CONTROL-REAR
DWG B 28P3041
SIZE
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF.
R

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
A	TRACED	3-30-38	[illegible]

.050



1/64 R. MAX.

1/16

VIEW A-A

O.H.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.
	PBY-5B	28P3053	2						
	PBY-5A	28P3053	2						
-1	PBY-4	28P1050							
	PBY-4	28P1050							
-1	PBY-3	28P1050							
	PBY-3	28P1050							

REQUIREMENTS PER AIRPLANE — MAT. — PARTS LIST PER ASSY.

REPLACES

REPLACED BY

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64 & 1/2°

APPROVED ECW 3-30-38 DATE

CALC. WT. — ACT. WT.

SCALE 12" = 1'0"

AC

NAVY STAINLESS STL. SHEET

MATERIAL	SPEC.	HEAT TREAT	FINISH
NAVY STAINLESS STL. SHEET	47S21	NONE	NONE

DRAFT	CHECK	EXAM.	ENG.
WRIGHT 4-26-38	FULLICK	OWM	R.

OPP. HAND 28P3063-1

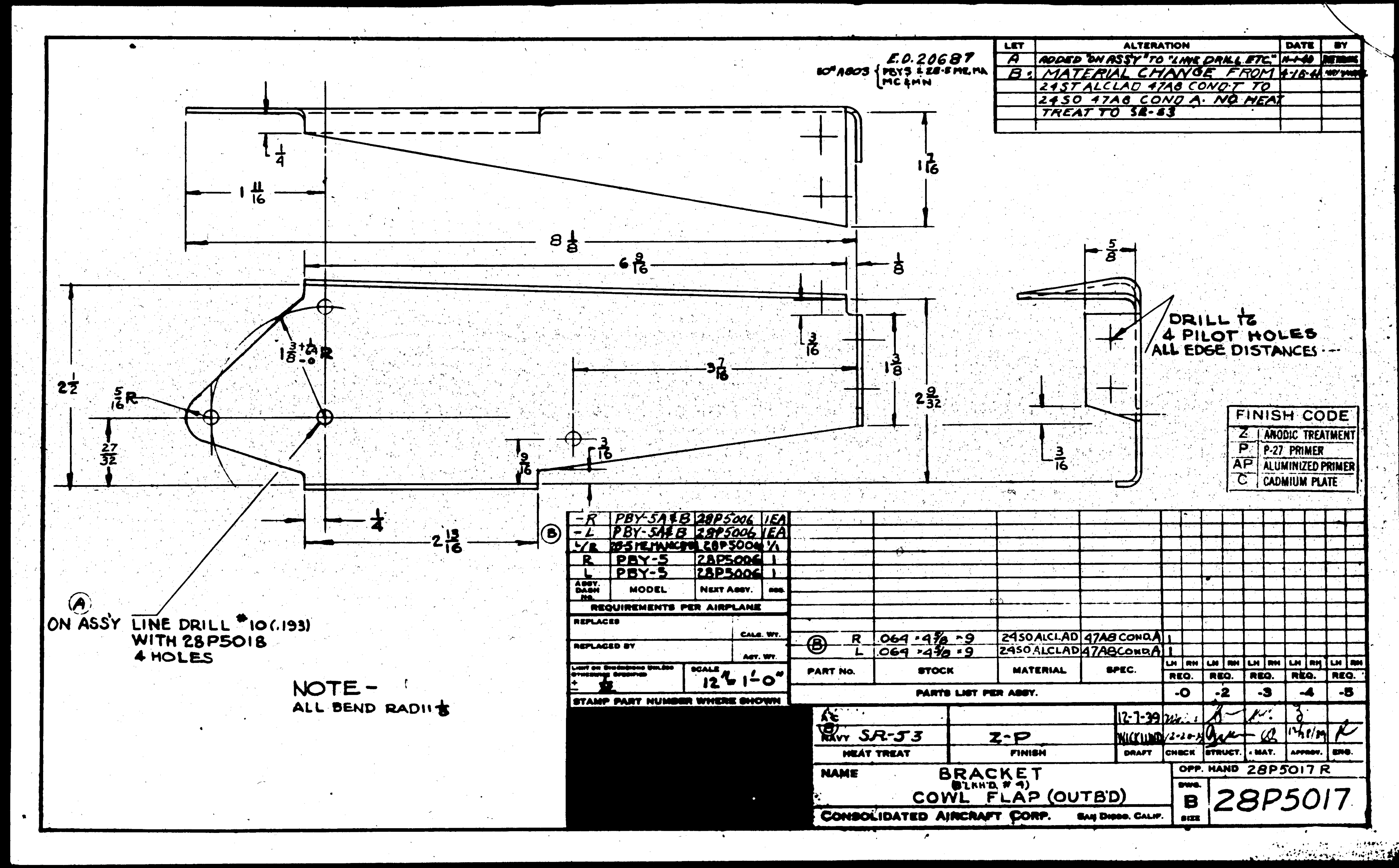
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N. Y.

STAMP PT. No. WHERE SHOWN

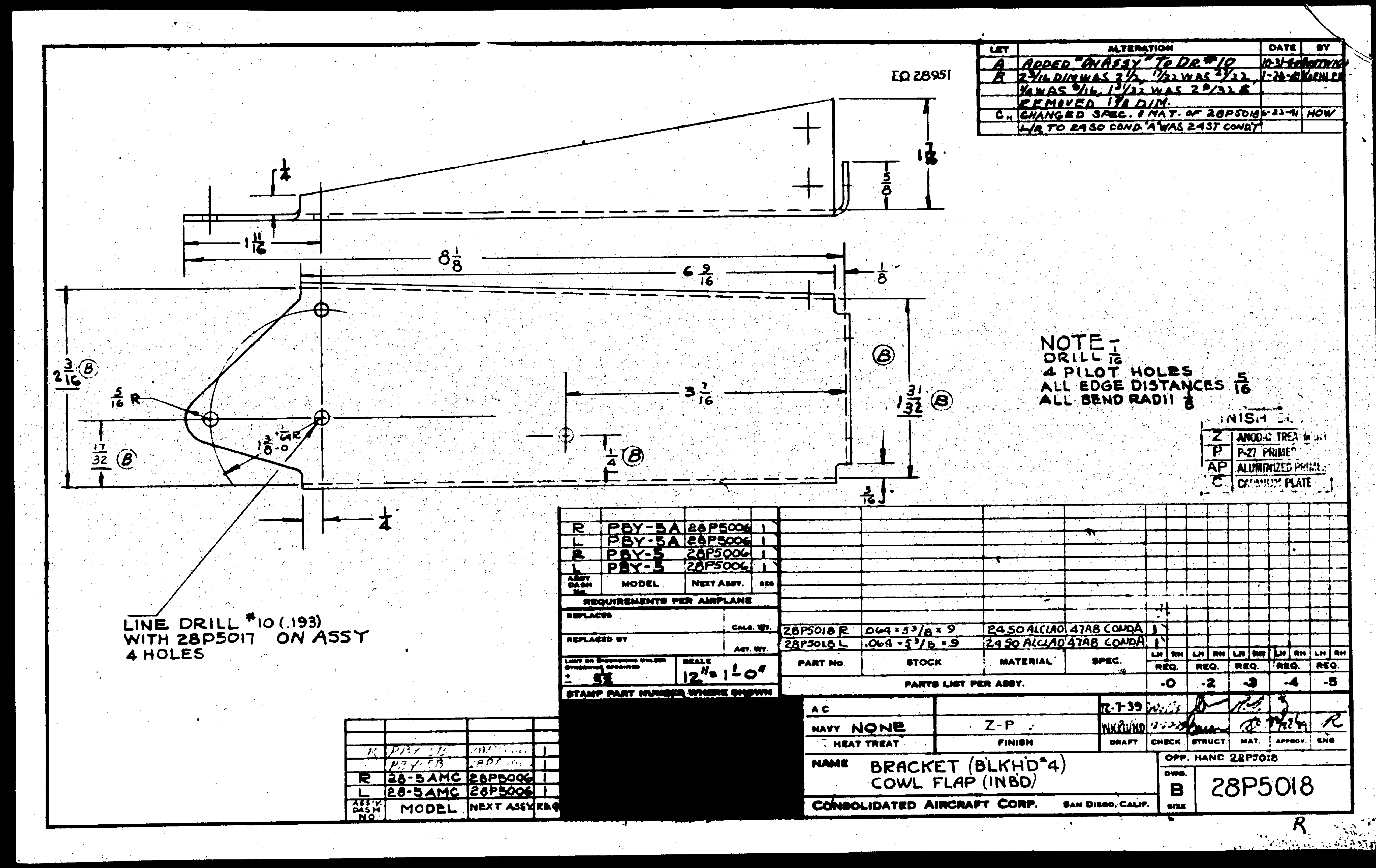
NAME
STOP
THROTTLE LEVER

DWG. B SIZE 28P3063

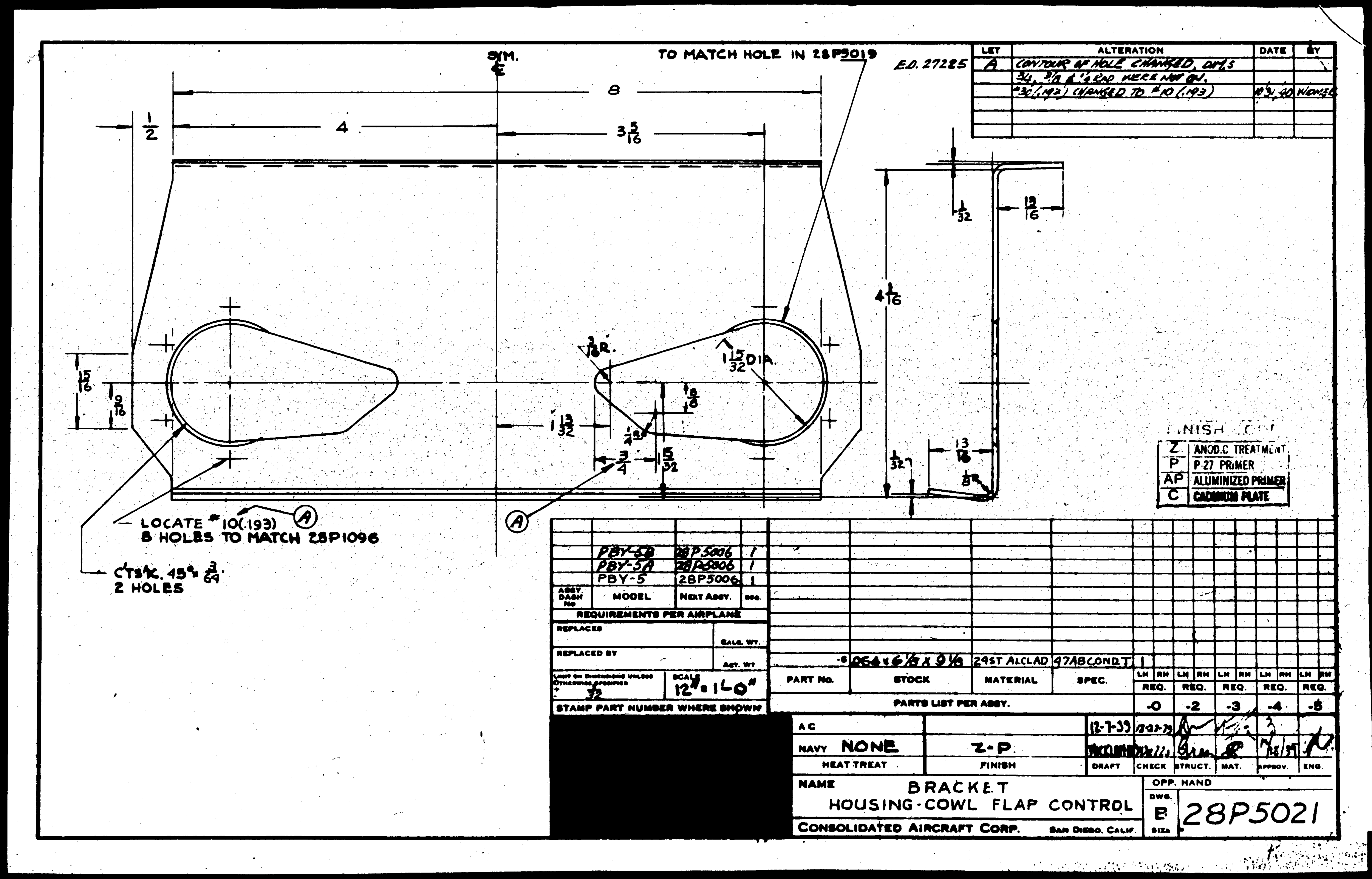
41-W HEDGES PART [illegible] CONSOLIDATED



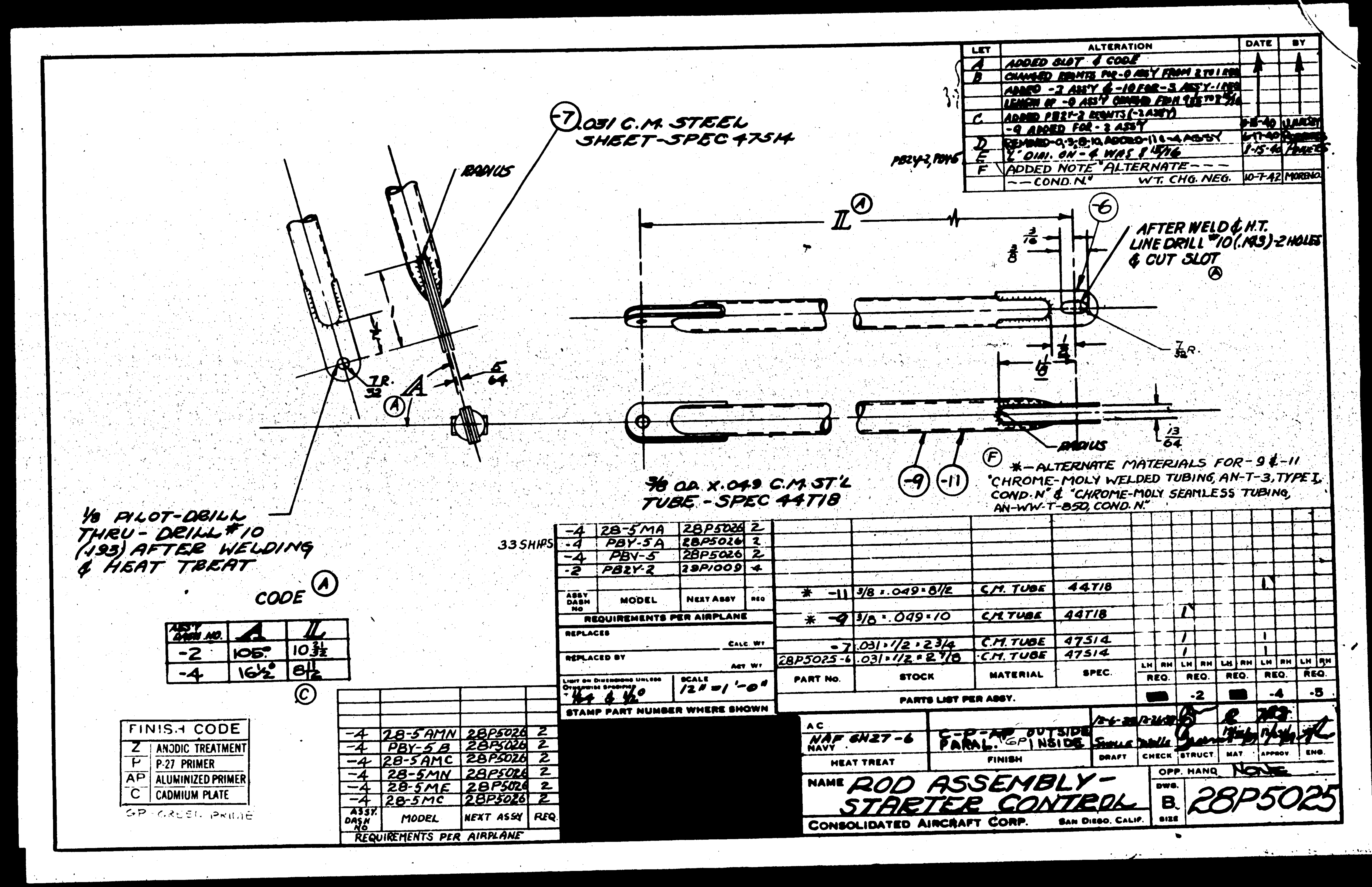
LET | ALTERATION | DATE | BY
A | ADDED "ON ASSY" TO "LINE DRILL ETC."
B | MATERIAL CHANGE FROM 24ST ALCLAD 47A8 COND.T TO 24SO 47A8 COND A. NO HEAT TREAT TO SR-53
E.O. 20687
DRILL 1/16
4 PILOT HOLES
ALL EDGE DISTANCES
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
ON ASSY LINE DRILL #10 (.193)
WITH 28P5018
4 HOLES
NOTE -
ALL BEND RADII 1/8
-R PBY-5A & B 28P5006 1EA
-L PBY-5A & B 28P5006 1EA
R PBY-5 28P5006 1
L PBY-5 28P5006 1
ASSY. DASH NO. | MODEL | NEXT ASSY.
REQUIREMENTS PER AIRPLANE
REPLACES
REPLACED BY
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
R .064 × 4 5/8 × 9 24SO ALCLAD 47A8 COND.A 1
L .064 × 4 5/8 × 9 24SO ALCLAD 47A8 COND.A 1
PART No. | STOCK | MATERIAL | SPEC. | REQ. -0 | REQ. -2 | REQ. -3 | REQ. -4 | REQ. -5
PARTS LIST PER ASSY.
NAVY SR-53
HEAT TREAT
Z-P
FINISH
12-7-39
DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
OPP. HAND 28P5017 R
NAME BRACKET (B'LKH'D. # 4) COWL FLAP (OUTB'D)
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
DWG. SIZE B
28P5017



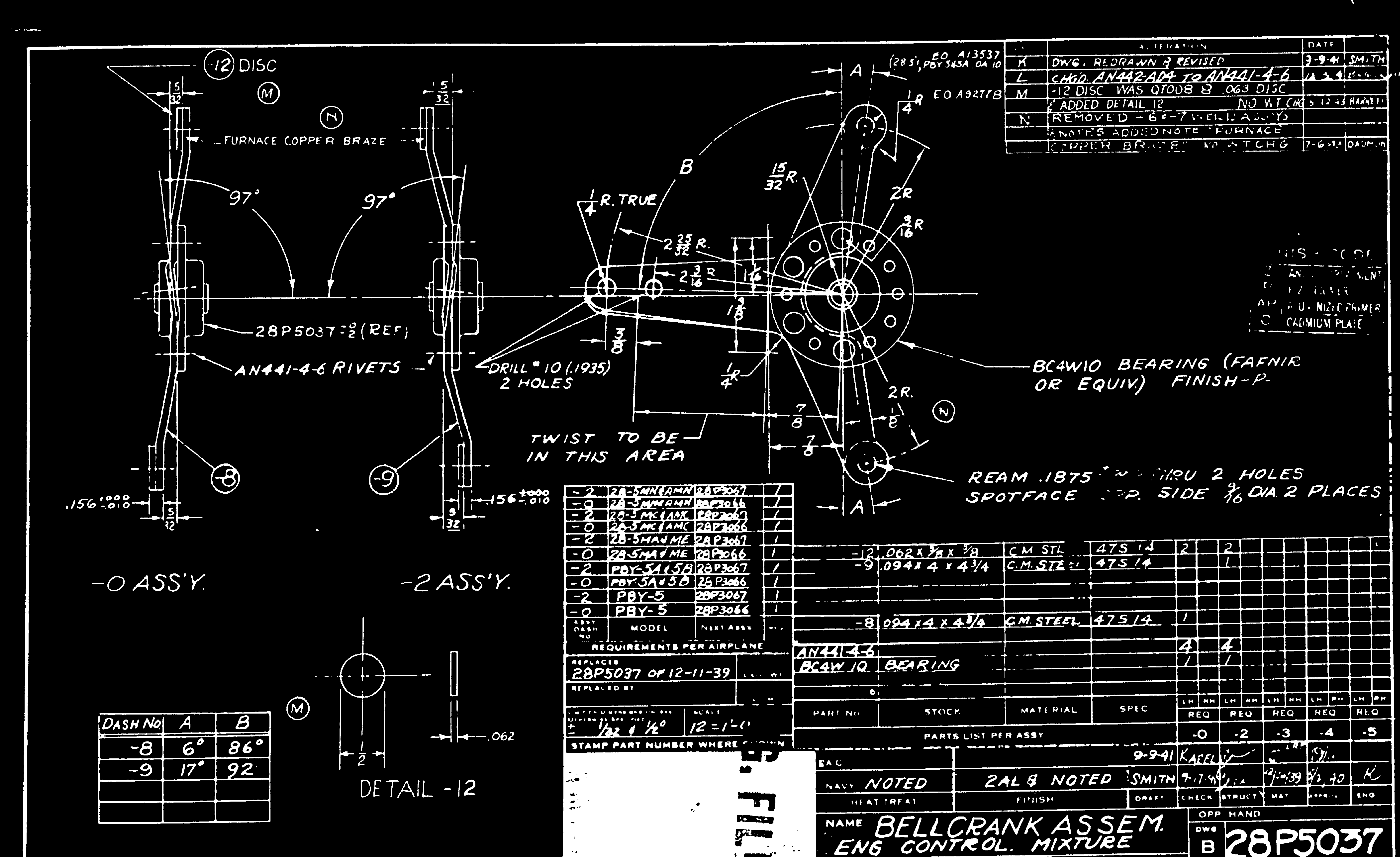
LET | ALTERATION | DATE | BY
A | ADDED "ON ASSY" TO DR #10 | 10-31-40
B | 2 3/16 DIM WAS 2 1/2. 17/32 WAS 21/32, 1/4 WAS 5/16. 1 31/32 WAS 2 9/32 & REMOVED 1 7/8 DIM. | 1-26-41
C | CHANGED SPEC. & MAT. OF 28P5018 L/R TO 24SO COND. A WAS 24ST COND T | 6-23-41 | HOW
EQ 28951
NOTE -
DRILL 1/16
4 PILOT HOLES
ALL EDGE DISTANCES 5/16
ALL BEND RADII 1/8
FINISH
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
LINE DRILL #10 (.193)
WITH 28P5017 ON ASSY
4 HOLES
R PBY-5A 28P5006 1
L PBY-5A 28P5006 1
R PBY-5 28P5006 1
L PBY-5 28P5006 1
ASSY. DASH No. | MODEL | NEXT ASSY. | REQ
REQUIREMENTS PER AIRPLANE
REPLACES
REPLACED BY
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
28P5018 R | .064 x 5 3/8 x 9 | 24SO ALCLAD | 47A8 COND A | 1
28P5018 L | .064 x 5 3/8 x 9 | 24SO ALCLAD | 47A8 COND A | 1
PART No. | STOCK | MATERIAL | SPEC.
PARTS LIST PER ASSY.
REQ. -0 -2 -3 -4 -5
R 28-5AMC 28P5006 1
L 28-5AMC 28P5006 1
ASSY. DASH NO. | MODEL | NEXT ASSY | REQ
[redacted]
A C
NAVY NONE
HEAT TREAT
Z-P
FINISH
12-7-39
DRAFT CHECK STRUCT MAT. APPROV. ENG
NAME BRACKET (BLKHD #4)
COWL FLAP (INBD)
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP. HAND 28P5018
DWG. SIZE B
28P5018



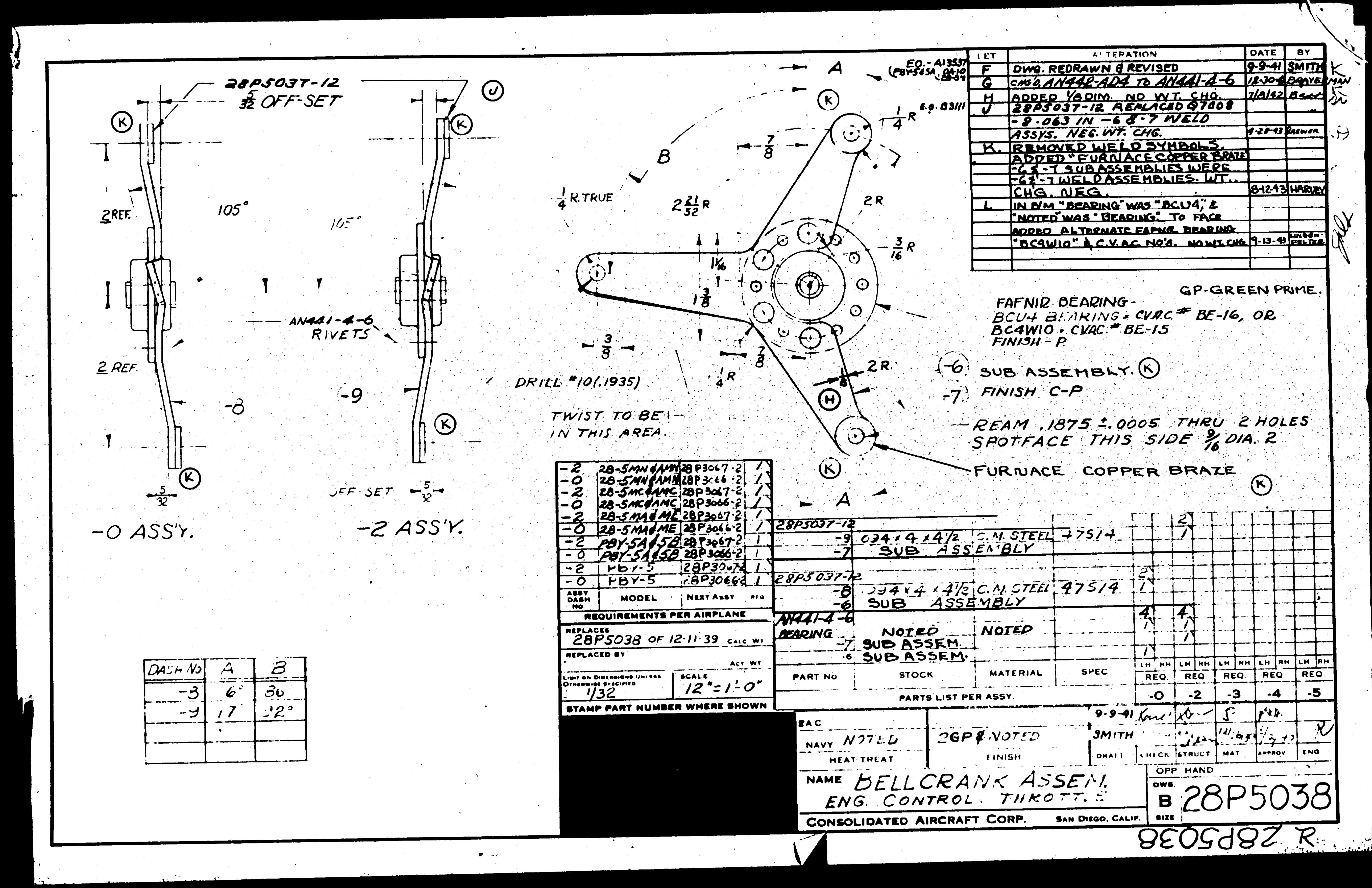
SYM.
TO MATCH HOLE IN 28P5019
E.O. 27225
LET
ALTERATION
DATE
BY
A
CONTOUR OF HOLE CHANGED, DIM'S
3/4, 3/8 & 1/4 RAD WERE NOT ON.
#30 (.193) CHANGED TO #10 (.193)
10-31-40
8
4
1/2
3 5/16
1/32
13/16
4 1/16
1 15/32 DIA.
3/16 R.
15/16
9/16
1/8
1 13/32
1/4 R.
3/4
1 15/32
1/8 R.
LOCATE #10 (.193)
8 HOLES TO MATCH 28P1096
C'TSK. 45° x 3/64
2 HOLES
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
PBY-5B 28P5006 1
PBY-5A 28P5006 1
PBY-5 28P5006 1
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
-6 .064 x 6 1/8 x 9 1/8 24ST ALCLAD 47A8 COND. T 1
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
AC
NAVY NONE
HEAT TREAT
Z-P
FINISH
12-7-39
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NAME
BRACKET
HOUSING-COWL FLAP CONTROL
OPP. HAND
DWG.
B
SIZE
28P5021
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.



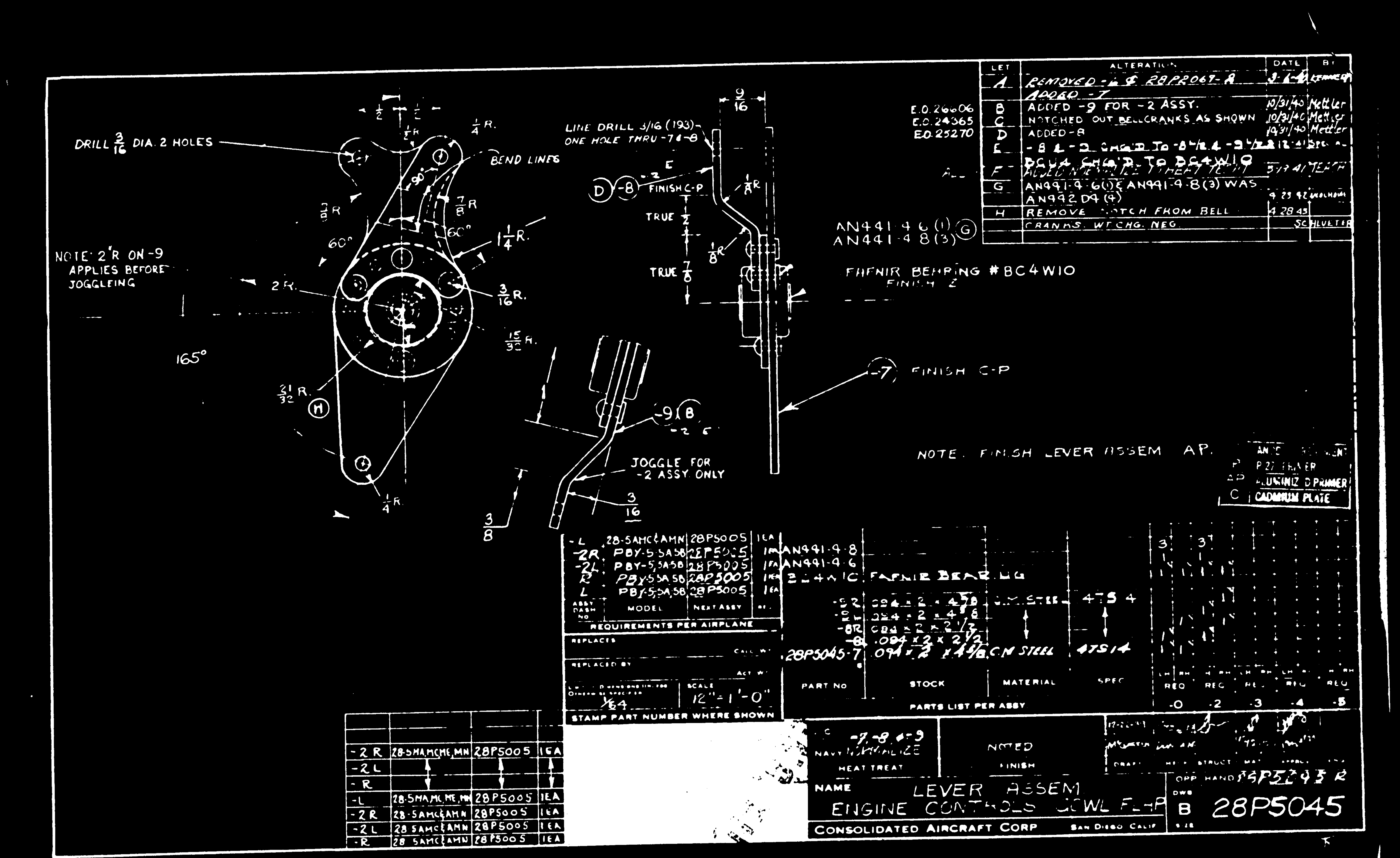
LET | ALTERATION | DATE | BY
A | ADDED SLOT & CODE
B | CHANGED REQ'MTS FOR -0 ASSY FROM 2 TO 1 REQ.
ADDED -2 ASSY & -10 FOR -3 ASSY - 1 REQ.
LENGTH OF -0 ASSY CHANGED
C | ADDED PB2Y-2 REQ'MTS (-2 ASSY)
-9 ADDED FOR -2 ASSY
D | REMOVED -0, -3, -8, -10, ADDED -11 & -4 ASSY
E | "L" DIM. ON -4 WAS 8 15/16 | 8-15-40
F | ADDED NOTE "ALTERNATE --- --- COND. N." WT. CHG. NEG. | 10-7-42 | MORENO
PB2Y-2, PBY-5
-7 .031 C.M. STEEL SHEET - SPEC 47514
RADIUS
7/32 R.
A
5/64
1/8 PILOT-DRILL THRU - DRILL #10 (.193) AFTER WELDING & HEAT TREAT
L
-6
AFTER WELD & H.T. LINE DRILL #10 (.193) - 2 HOLES & CUT SLOT
3/16
3/8
7/32 R.
1/4
1 1/8
13/64
RADIUS
3/8 O.D. X .049 C.M. ST'L TUBE - SPEC 44T18
-9
-11
F *- ALTERNATE MATERIALS FOR -9 & -11 "CHROME-MOLY WELDED TUBING, AN-T-3, TYPE I, COND. N" & "CHROME-MOLY SEAMLESS TUBING, AN-WW-T-850, COND. N."
CODE A
ASSY DASH NO. | A | L
-2 | 105° | 10 21/32
-4 | 16 1/2° | 8 1/2
C
FINISH CODE
Z | ANODIC TREATMENT
P | P-27 PRIMER
AP | ALUMINIZED PRIMER
C | CADMIUM PLATE
GP - GREEN PRIME
33 SHIPS
-4 | 28-5MA | 28P5026 | 2
-4 | PBY-5A | 28P5026 | 2
-4 | PBY-5 | 28P5026 | 2
-2 | PB2Y-2 | 28P1009 | 4
ASSY DASH NO | MODEL | NEXT ASSY | REQ
REQUIREMENTS PER AIRPLANE
REPLACES | CALC. WT
REPLACED BY | ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64 & 1/2°
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
* -11 | 3/8 x .049 x 8 1/2 | C.M. TUBE | 44T18
* -9 | 3/8 x .049 x 10 | C.M. TUBE | 44T18
-7 | .031 x 1/2 x 2 3/4 | C.M. TUBE | 47514
28P5025-6 | .031 x 1/2 x 2 7/8 | C.M. TUBE | 47514
PART No. | STOCK | MATERIAL | SPEC. | LH RH REQ. | -2 | -4 | -5
PARTS LIST PER ASSY.
-4 | 28-5AMN | 28P5026 | 2
-4 | PBY-5B | 28P5026 | 2
-4 | 28-5AMC | 28P5026 | 2
-4 | 28-5MN | 28P5026 | 2
-4 | 28-5ME | 28P5026 | 2
-4 | 28-5MC | 28P5026 | 2
ASSY DASH NO | MODEL | NEXT ASSY | REQ.
REQUIREMENTS PER AIRPLANE
AC
NAF 6H27-6 NAVY
HEAT TREAT
C-P-AP OUTSIDE PARAL. GP INSIDE
FINISH
DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
OPP. HAND NONE
NAME ROD ASSEMBLY - STARTER CONTROL
DWG. SIZE B
28P5025
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



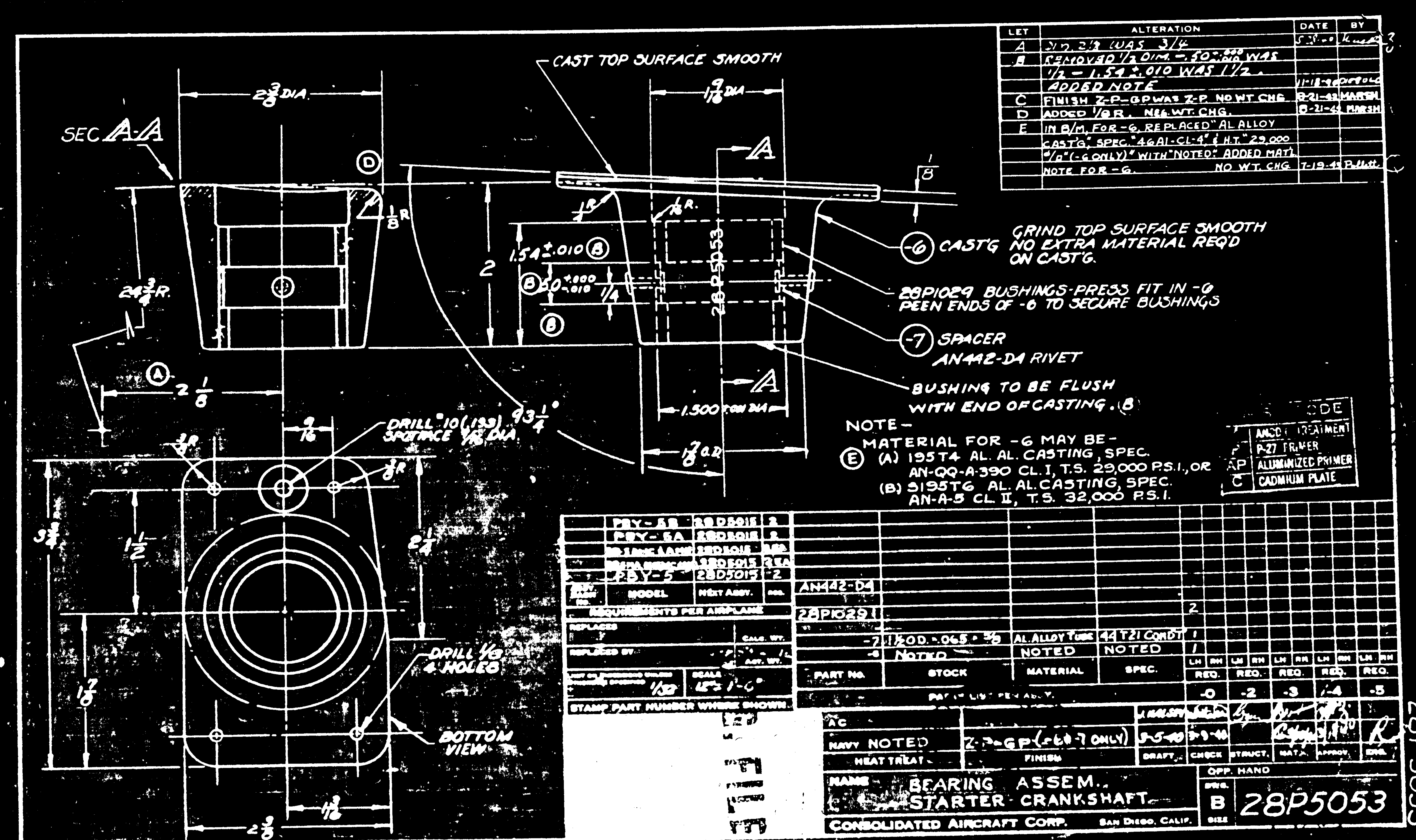
12 DISC
M
N
FURNACE COPPER BRAZE
97°
97°
28P5037-0/2 (REF)
AN441-4-6 RIVETS
DRILL #10 (.1935) 2 HOLES
-8
-9
.156 +.000 -.010
5/32
-0 ASS'Y.
-2 ASS'Y.
A
B
1/4 R. TRUE
2 25/32 R.
2 3/16 R.
15/32 R.
2R
3/16 R
1 1/16
1 3/8
3/8
1/4 R
7/8
2 R.
1/8
TWIST TO BE IN THIS AREA
BC4W10 BEARING (FAFNIR OR EQUIV.) FINISH-P-
REAM .1875 THRU 2 HOLES SPOTFACE SIDE 9/16 DIA. 2 PLACES
EO A13537 (28 S's, PBY 5&5A, DA 10)
EO A92778
ALTERATION
DATE
K DWG. REDRAWN & REVISED 9-9-41 SMITH
L CHGD. AN442-AD4 TO AN441-4-6
M -12 DISC WAS QT008 & .063 DISC
ADDED DETAIL -12 NO WT CHG
N REMOVED -6 & -7 WELD ASS'YS
NOTES ADDED NOTE "FURNACE COPPER BRAZE" NO WT CHG 7-6-43 DAUM
CADMIUM PLATE
DASH NO. | A | B
-8 | 6° | 86°
-9 | 17° | 92
DETAIL -12
.062
1/2
-2 28-5MN&AMN 28P3067
-0 28-5MN&AMN 28P3066
-2 28-5MC&AMC 28P3067
-0 28-5MC&AMC 28P3066
-2 28-5MA&ME 28P3067
-0 28-5MA&ME 28P3066
-2 PBY-5A&5B 28P3067
-0 PBY-5A&5B 28P3066
-2 PBY-5 28P3067
-0 PBY-5 28P3066
ASSY DASH NO. MODEL NEXT ASSY
REQUIREMENTS PER AIRPLANE
REPLACES 28P5037 OF 12-11-39
REPLACED BY
SCALE 12 = 1'-0
1/32 & 1/2°
STAMP PART NUMBER WHERE SHOWN
-12 .062 x 5/8 x 5/8 C.M. STL 47S14 2 2
-9 .094 x 4 x 4 3/4 C.M. STEEL 47S14 1
-8 .094 x 4 x 4 3/4 C.M. STEEL 47S14 1
AN441-4-6 4 4
BC4W10 BEARING 1 1
PART NO. STOCK MATERIAL SPEC
REQ -0 -2 -3 -4 -5
PARTS LIST PER ASSY
NAVY NOTED
2AL & NOTED
HEAT TREAT
FINISH
SMITH 9-9-41 KAREL
DRAFT CHECK STRUCT MAT ENG
OPP HAND
NAME BELLCRANK ASSEM. ENG CONTROL. MIXTURE
DWG B 28P5037
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF



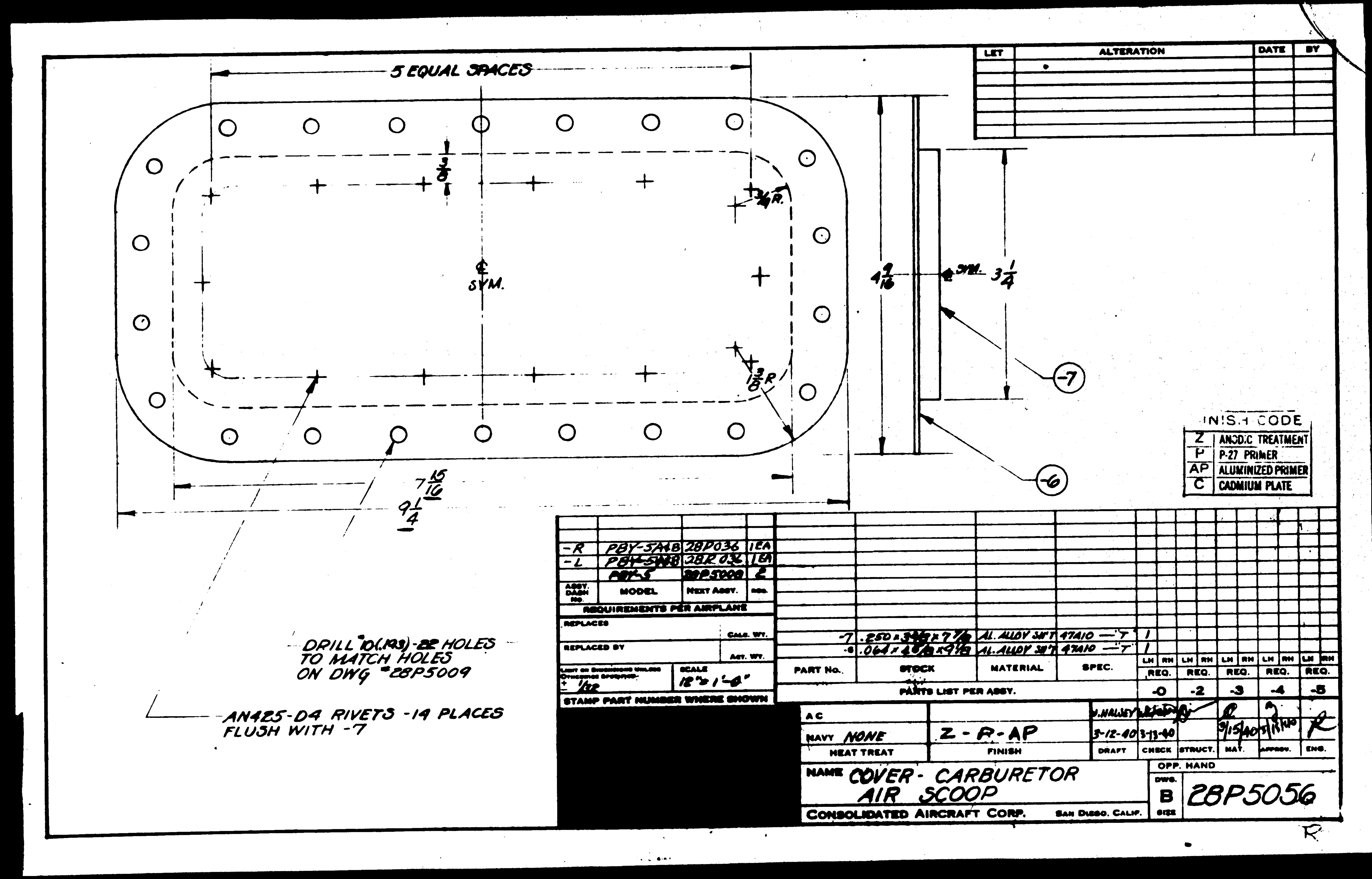
28P5037-12
5/32 OFF-SET
105°
2 REF.
-8
-9
-0 ASS'Y.
-2 ASS'Y.
OFF SET 5/32
AN441-4-6 RIVETS
DRILL #10(.1935)
TWIST TO BE IN THIS AREA.
A
B
1/4 R. TRUE
2 21/32 R
2R
3/16 R
1/4 R
1 3/8
FAFNIR BEARING-
BCU4 BEARING - CVAC # BE-16, OR
BC4W10 - CVAC # BE-15
FINISH - P.
GP-GREEN PRIME.
-6 SUB ASSEMBLY.
-7 FINISH C-P
REAM .1875 ±.0005 THRU 2 HOLES
SPOTFACE THIS SIDE 9/16 DIA. 2
FURNACE COPPER BRAZE
LET | ALTERATION | DATE | BY
F | DWG. REDRAWN & REVISED | 9-9-41 | SMITH
G | CHG'D AN442-AD4 TO AN441-4-6 | 12-30-41 | BONVERMAN
H | ADDED 1/8 DIM. NO WT. CHG. | 7/2/42
J | 28P5037-12 REPLACED Q7008 -8.063 IN -6 & -7 WELD ASSYS. NEG. WT. CHG. | 4-29-43
K | REMOVED WELD SYMBOLS. ADDED "FURNACE COPPER BRAZE" -6 & -7 SUB ASSEMBLIES WERE -6 & -7 WELD ASSEMBLIES. WT. CHG. NEG. | 8-12-43 | HARVEY
L | IN B/M "BEARING" WAS "BCU4", & "NOTED" WAS "BEARING". TO FACE ADDED ALTERNATE FAFNIR BEARING "BC4W10" & C.V.AC NO'S. NO WT. CHG. | 9-13-43
DASH No | A | B
-8 | 6° | 36°
-9 | 17° | 32°
REQUIREMENTS PER AIRPLANE
-2 | 28-5MN & AMN | 28P3067-2 | 1
-0 | 28-5MN & AMN | 28P3066-2 | 1
-2 | 28-5MC & AMC | 28P3067-2 | 1
-0 | 28-5MC & AMC | 28P3066-2 | 1
-2 | 28-5MA & ME | 28P3067-2 | 1
-0 | 28-5MA & ME | 28P3066-2 | 1
-2 | PBY-5A & 5B | 28P3067-2 | 1
-0 | PBY-5A & 5B | 28P3066-2 | 1
-2 | PBY-5 | 28P3067-2 | 1
-0 | PBY-5 | 28P3066-2 | 1
ASSY DASH NO | MODEL | NEXT ASSY | REQ
PARTS LIST PER ASSY.
28P5037-12 | -9 | .094 x 4 x 4 1/2 | C.M. STEEL | 47514
-7 | SUB ASSEMBLY
28P5037-12 | -8 | .094 x 4 x 4 1/2 | C.M. STEEL | 47514
-6 | SUB ASSEMBLY
AN441-4-6
BEARING | NOTED | NOTED
-7 | SUB ASSEM.
-6 | SUB ASSEM.
PART No | STOCK | MATERIAL | SPEC | REQ. -0 | -2 | -3 | -4 | -5
REPLACES 28P5038 OF 12-11-39
CALC WT
REPLACED BY
ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
NAVY NOTED
HEAT TREAT
2GP & NOTED
FINISH
9-9-41 SMITH
DRAFT | CHECK | STRUCT | MAT | APPROV | ENG
OPP HAND
NAME BELLCRANK ASSEM.
ENG. CONTROL THROTTLE
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
DWG. SIZE B 28P5038
28P5038 R



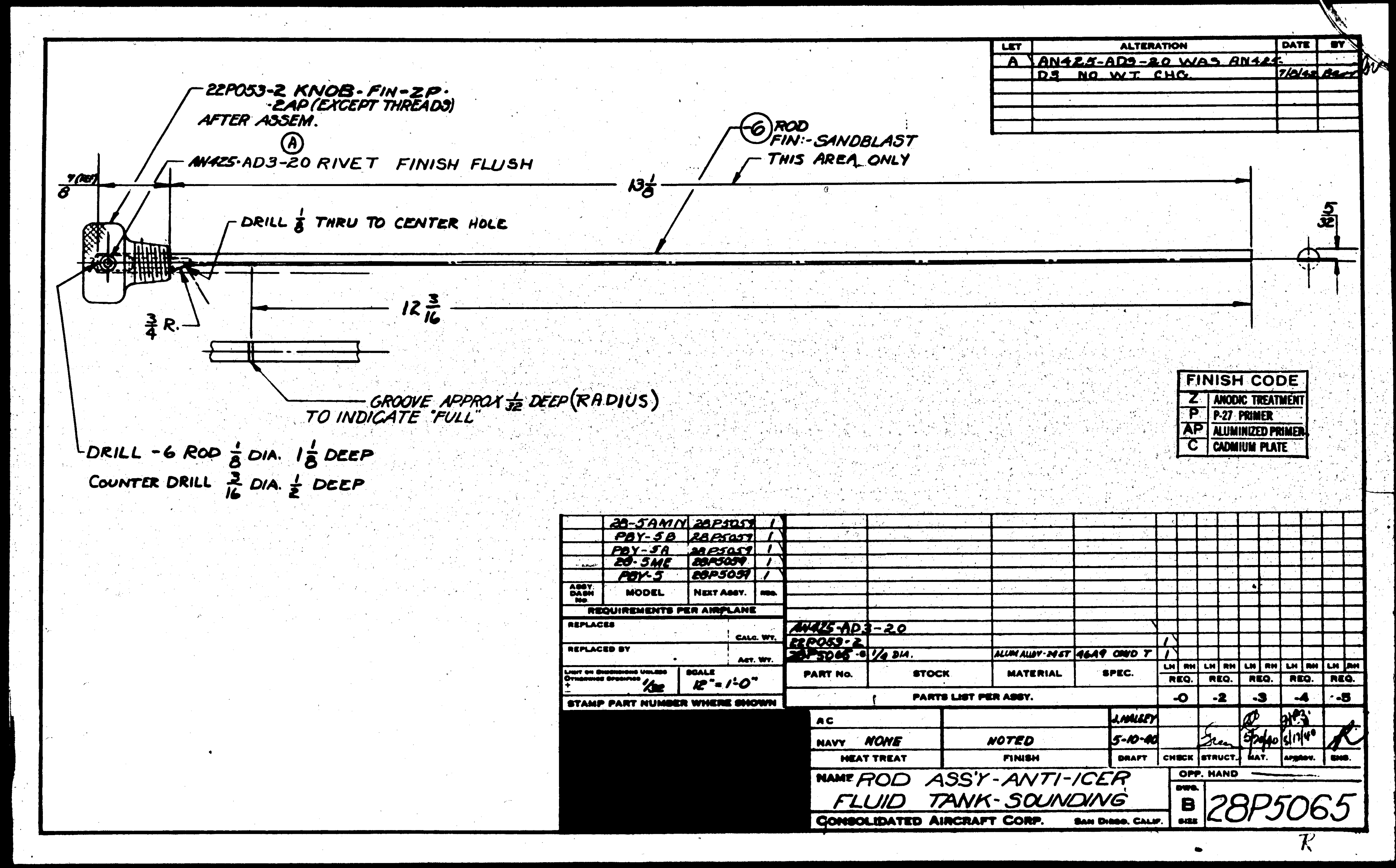
DRILL 3/16 DIA. 2 HOLES
BEND LINES
LINE DRILL 3/16 (193) ONE HOLE THRU -7 & -8
NOTE: 2'R ON -9 APPLIES BEFORE JOGGLEING
165°
FINISH C-P
TRUE
FAFNIR BEARING #BC4W10
JOGGLE FOR -2 ASSY ONLY
AN441-4 6 (1)
AN441-4 8 (3)
E.O. 26606
E.O. 24365
E.O. 25270
ADDED -9 FOR -2 ASSY.
NOTCHED OUT BELLCRANKS AS SHOWN
ADDED -8
AN441-4-6(1) & AN441-4-8(3) WAS AN442 D4 (4)
REMOVE NOTCH FROM BELL CRANKS. WT CHG. NEG.
NOTE: FINISH LEVER ASSEM AP.
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASSY
STAMP PART NUMBER WHERE SHOWN
SCALE 12" = 1'-0"
NAME LEVER ASSEM ENGINE CONTROLS COWL FLAP
CONSOLIDATED AIRCRAFT CORP SAN DIEGO CALIF
B 28P5045



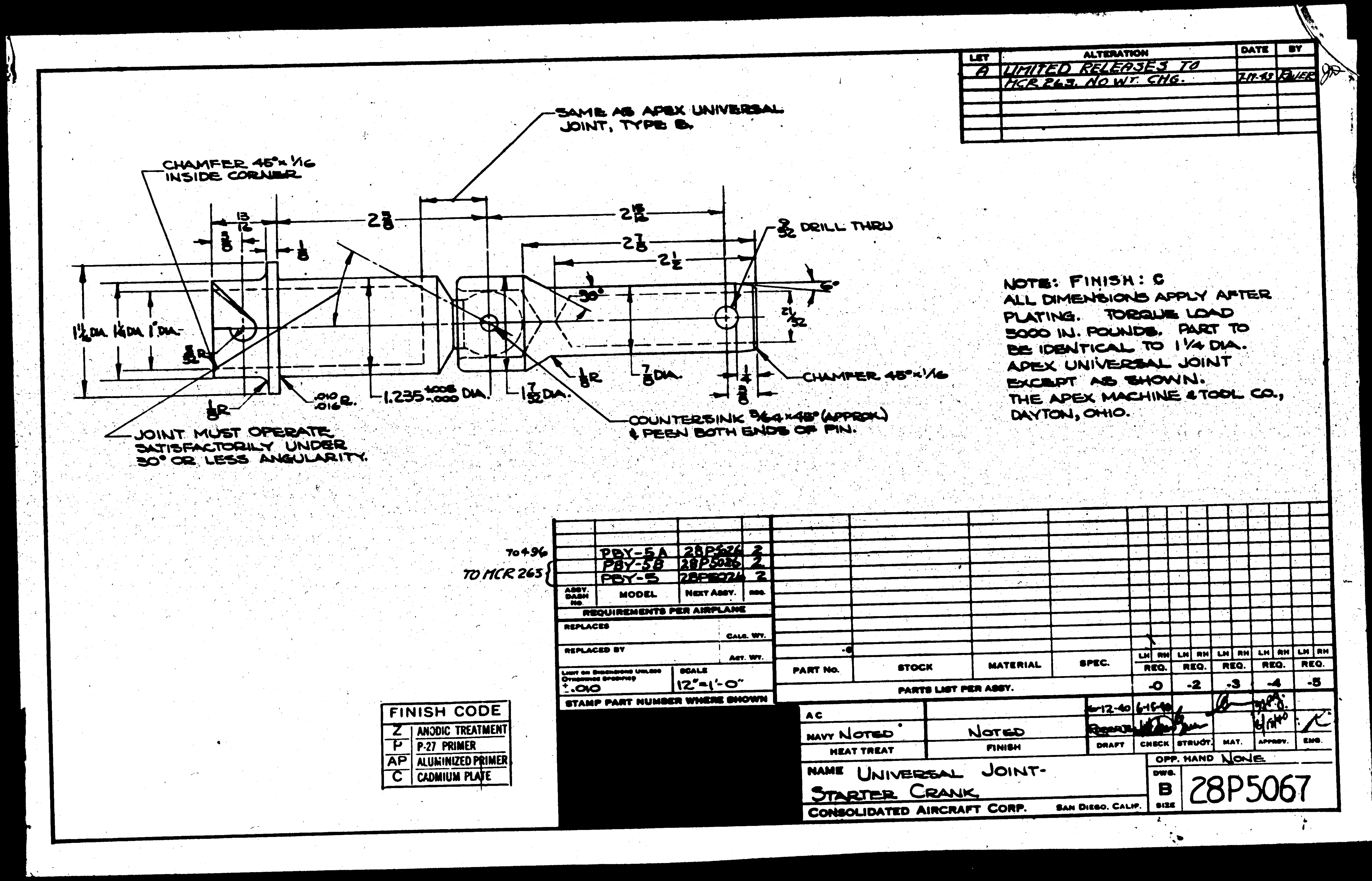
CAST TOP SURFACE SMOOTH
SEC A-A
2 3/8 DIA.
1 9/16 DIA
1/8 R
2
1.54 ±.010 (B)
(B) .50 +.000 -.010
1/4
28P5053
24 3/4 R.
(A) 2 1/8
93 1/4°
1.500 DIA
1 7/8 O.D.
DRILL #10 (.193) SPOTFACE 1/2 DIA.
9/16
3/8 R
3 3/4
1 1/2
2 1/4
1 7/8
DRILL 1/8 4 HOLES
BOTTOM VIEW
1 3/16
2 3/8
(-6) CAST'G GRIND TOP SURFACE SMOOTH NO EXTRA MATERIAL REQ'D ON CAST'G.
28P1029 BUSHINGS-PRESS FIT IN -6 PEEN ENDS OF -6 TO SECURE BUSHINGS
(-7) SPACER
AN442-D4 RIVET
BUSHING TO BE FLUSH WITH END OF CASTING. (B)
NOTE-
MATERIAL FOR -6 MAY BE-
(E) (A) 195T4 AL. AL. CASTING, SPEC. AN-QQ-A-390 CL. I, T.S. 29,000 P.S.I., OR
(B) S195T6 AL. AL. CASTING, SPEC. AN-A-5 CL. II, T.S. 32,000 P.S.I.
LET | ALTERATION | DATE | BY
A | DIM. 2 1/8 WAS 3/4
B | REMOVED 1/2 DIM. - .50 +.000 -.010 WAS 1/2 - 1.54 ±.010 WAS 1 1/2. ADDED NOTE
C | FINISH Z-P-GP WAS Z-P. NO WT CHG. | 8-21-42 | MARSH
D | ADDED 1/8 R. NEG. WT. CHG. | 8-21-42 | MARSH
E | IN B/M, FOR -6, REPLACED "AL ALLOY CAST'G, SPEC. "46A1-CL-4" & H.T. "29,000 #/□" (-6 ONLY)" WITH "NOTED". ADDED MAT'L NOTE FOR -6. NO WT. CHG. | 7-19-43
CODE
ANODIC TREATMENT
P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
PBY-5B | 28D5015 | 2
PBY-5A | 28D5015 | 2
PBY-5 | 28D5015 | 2
MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
REPLACED BY
CALC. WT.
ACT. WT.
SCALE 1/2"=1'-0"
STAMP PART NUMBER WHERE SHOWN
AN442-D4
28P1029 | 2
-7 | 1/2 O.D. - .065 - 5/8 | AL. ALLOY TUBE | 24ST 21 COND T | 1
-6 | NOTED | NOTED | NOTED | 1
PART NO. | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 -2 -3 -4 -5
PARTS LIST PER ASSY.
A.C.
NAVY NOTED
Z-P-GP (-6 & -7 ONLY)
HEAT TREAT
FINISH
DRAFT | CHECK | STRUCT. | MAT'L | APPROV. | ENG.
OPP. HAND
NAME BEARING ASSEM. STARTER CRANKSHAFT
B 28P5053
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
28P5053



LET
ALTERATION
DATE
BY
5 EQUAL SPACES
3/8
3/4 R.
℄ SYM.
4 9/16
℄ SYM.
3 1/4
-7
1 3/8 R
-6
7 15/16
9 1/4
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
-R PBY-5A&B 28P036 1EA
-L PBY-5A&B 28R036 1EA
PBY-5 28P5009 2
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/32
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
-7 .250 x 3 1/2 x 7 1/2 AL. ALLOY SH'T 47A10 — T 1
-6 .064 x 4 5/8 x 9 1/2 AL. ALLOY SH'T 47A10 — T 1
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
-0 -2 -3 -4 -5
PARTS LIST PER ASSY.
DRILL #10(.193) -22 HOLES
TO MATCH HOLES
ON DWG #28P5009
AN425-D4 RIVETS -14 PLACES
FLUSH WITH -7
A C
NAVY NONE
HEAT TREAT
Z - P - AP
FINISH
J. HALSEY
3-12-40
3-13-40
9/15/40
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
OPP. HAND
NAME COVER - CARBURETOR
AIR SCOOP
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
DWG. SIZE
B
28P5056
R



LET
ALTERATION
DATE
BY
A
AN425-AD3-20 WAS AN425-D3 NO WT. CHG.
22P053-2 KNOB-FIN-ZP-ZAP (EXCEPT THREADS) AFTER ASSEM.
A
AN425-AD3-20 RIVET FINISH FLUSH
6 ROD FIN:-SANDBLAST THIS AREA ONLY
13 1/8
5/32
DRILL 1/8 THRU TO CENTER HOLE
12 3/16
3/4 R.
GROOVE APPROX 1/32 DEEP (RADIUS) TO INDICATE "FULL"
DRILL -6 ROD 1/8 DIA. 1 1/8 DEEP
COUNTER DRILL 3/16 DIA. 1/2 DEEP
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
28-5AMN 28P5059 1
PBY-5B 28P5059 1
PBY-5A 28P5059 1
28-5ME 28P5059 1
PBY-5 28P5059 1
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
AN425-AD3-20
22P053-2
28P5065-6 1/4 DIA. ALUM ALLOY-24ST 46A9 COND T 1
PART No.
STOCK
MATERIAL
SPEC.
LH RH
REQ.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
AC
NAVY NONE
NOTED
J. HALSEY
5-10-40
HEAT TREAT
FINISH
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NAME ROD ASS'Y-ANTI-ICER FLUID TANK-SOUNDING
OPP. HAND
DWG. SIZE B
28P5065
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



LET | ALTERATION | DATE | BY
A | LIMITED RELEASES TO MCR 263. NO WT. CHG. | 7-11-43
SAME AS APEX UNIVERSAL JOINT, TYPE B.
CHAMFER 45° x 1/16 INSIDE CORNER
3/32 DRILL THRU
NOTE: FINISH: C
ALL DIMENSIONS APPLY AFTER PLATING. TORQUE LOAD 5000 IN. POUNDS. PART TO BE IDENTICAL TO 1 1/4 DIA. APEX UNIVERSAL JOINT EXCEPT AS SHOWN. THE APEX MACHINE & TOOL CO., DAYTON, OHIO.
CHAMFER 45° x 1/16
COUNTERSINK 5/64 x 45° (APPROX) & PEEN BOTH ENDS OF PIN.
JOINT MUST OPERATE SATISFACTORILY UNDER 30° OR LESS ANGULARITY.
1 1/16 DIA. 1 1/4 DIA. 1" DIA.
1.235 +.005 -.000 DIA.
1 5/32 DIA.
7/8 DIA.
TO 496 PBY-5A 28P5026 2
TO MCR 263 PBY-5B 28P5026 2
PBY-5 28P5024 2
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES | CALC. WT.
REPLACED BY | ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±.010
SCALE 12"=1'-0"
STAMP PART NUMBER WHERE SHOWN
PART NO. | STOCK | MATERIAL | SPEC. | REQ. -0 | REQ. -2 | REQ. -3 | REQ. -4 | REQ. -5
PARTS LIST PER ASSY.
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
AC
NAVY NOTED
HEAT TREAT
NOTED
FINISH
6-12-40 6-15-40
DRAFT CHECK STRUCT. MAT. APPROV. ENG.
OPP. HAND NONE
NAME UNIVERSAL JOINT- STARTER CRANK
DWG. SIZE B
28P5067
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

28P5072

LET	ALTERATION	DATE	BY
A	TO FACE OF DWG. ADDED NOTE: #22 HAIS-02 ----ELASTIC STOPNUT & CAC. #NU-45-50 & CAC. #NU.45-70 IN B/M REMOVED "ELASTIC STOPNUT" REPLACED WITH "CAC #NU.45-70" & "CAC #NU 45-50". BR'T. REQ'TS/NR TO DATE. (WT. CHG. NEG.)	1-18-43	Noble
B	ON FACE OF DWG. & IN B/M CHANGED CAC. #NU 45-60 WAS CAC. #NU 45-50 & CAC #NU.45-80 WAS CAC. #NU-45-70 (WT. CHG. NEG.)	4-1-43	
C	CANCELED & REPLACED BY SOLAR #1-175		
D	REINSTATED. WAS CANCELED & REPLACED BY SOLAR #1-1751 NO WT. CHG	8-17-43	

MCR #213

(3) ELASTIC STOP NUT (3) #79 HAIS-02-C.A.C. #NU-45-60 FOR SPOT WELDING

(A) ELASTIC STOP NUT (4) #79 HA5S-02. CAC #NU 45-80 FOR SPOT WELDING

4 15/16

4 27/32

4 3/16

1 1/2

13/32

1 9/16

40°

4 1/16 R

7 1/4 R

LOCATE ON ℄

2 1/8

2 1/8

1/8 R

7/8

11/16

11/16

1/2

3/8

3/8

24 11/32 R

5/16

5/16

11/16

DRILL 1/32 7 HOLES

(6)

ASSY DASH NO	MODEL	NEXT ASSY	NO
	28-5AMN	28P5003	8
	28-5AMC	28P5003	8
	28-5MN	28P5003	8
	28-5MA	28P5003	8
	28-5MC	28P5003	8
	28-5ME	28P5003	8
	OA-10	28P5003	8
	PBY-5B	28P5003	8
	PBY-5A	28P5003	8
	PBY-5	28P5003	8

REQUIREMENTS PER AIRPLANE

REPLACES — .207 CALC WT

REPLACED BY — ACT WT

LIMITS ... 1/32 ... SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	-0	-2	-3	-4	-5
#79HA5S-02	C.A.C. #N.U.45-80			4				
#79HAIS-02	C.A.C. #N.U.45-60			3				
6	.031 X 5 1/2 X 5 7/8	STAINLESS STL	47-319 ...	1				

PARTS LIST PER ASSY

NAVY NONE — HEAT TREAT

NONE — FINISH

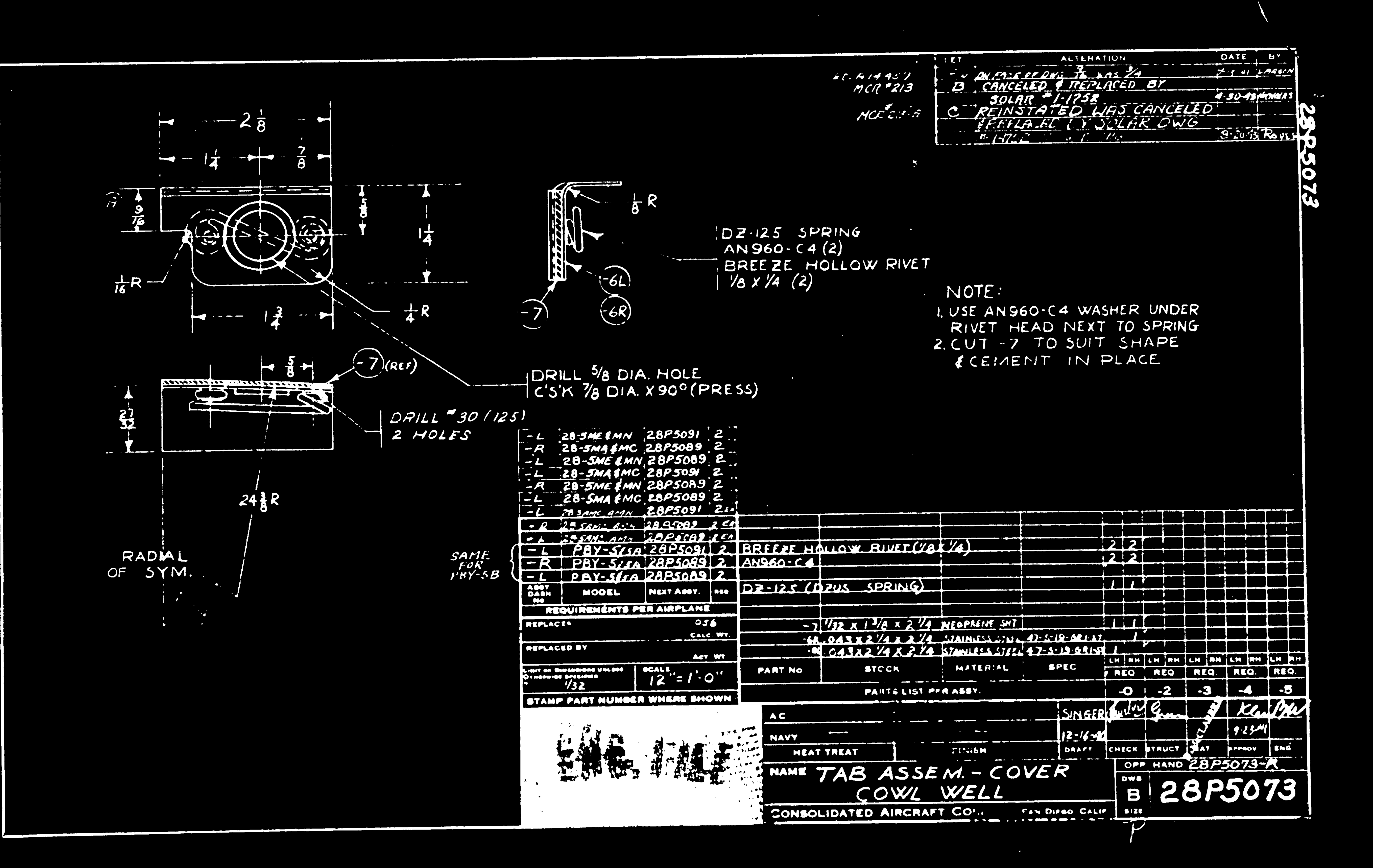
NAME SUPPORT ASSEM COVER-COWL WELD

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF

SIZE B 28P5072

ENG. FILE

(A) NOTE:
#22 HAIS-02 MAY BE USED AS AN ALTERNATE FOR 79HAIS-02, CAC. NO. NU 45-60.
#22 HA5S-02 MAY BE USED AS AN ALTERNATE FOR 79HA5S-02, C.A.C. NO. NU 45-80.
MAY BE PURCHASED FROM "ELASTIC STOP NUT CO."



ASSY DASH NO	MODEL	NEXT ASSY.	REQ
-L	28-5ME & MN	28P5091	2
-R	28-5MA & MC	28P5089	2
-L	28-5ME & MN	28P5089	2
-L	28-5MA & MC	28P5091	2
-R	28-5ME & MN	28P5089	2
-L	28-5MA & MC	28P5089	2
-L	28-5ME & MN	28P5091	2
-R	28-5ME & MN	28P5089	2
-L	28-5ME & MN	28P5089	2
-L	PBY-5/5A	28P5091	2
-R	PBY-5/5A	28P5089	2
-L	PBY-5/5A	28P5089	2

REQUIREMENTS PER AIRPLANE

REPLACES 056 CALC. WT.

REPLACED BY ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 1/32 | SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	-0 REQ LH	-0 REQ RH
BREEZE HOLLOW RIVET (1/8 X 1/4)				2	2
AN960-C4				2	2
DZ-125 (DZUS SPRING)				1	1
-7	1/32 X 1 3/8 X 2 1/4	NEOPRENE SHT		1	1
-6R	.043 X 2 1/4 X 2 1/4	STAINLESS STEEL	47-S-19-6R		1
-6L	.043 X 2 1/4 X 2 1/4	STAINLESS STEEL	47-S-19-6R	1	

PARTS LIST PER ASSY.

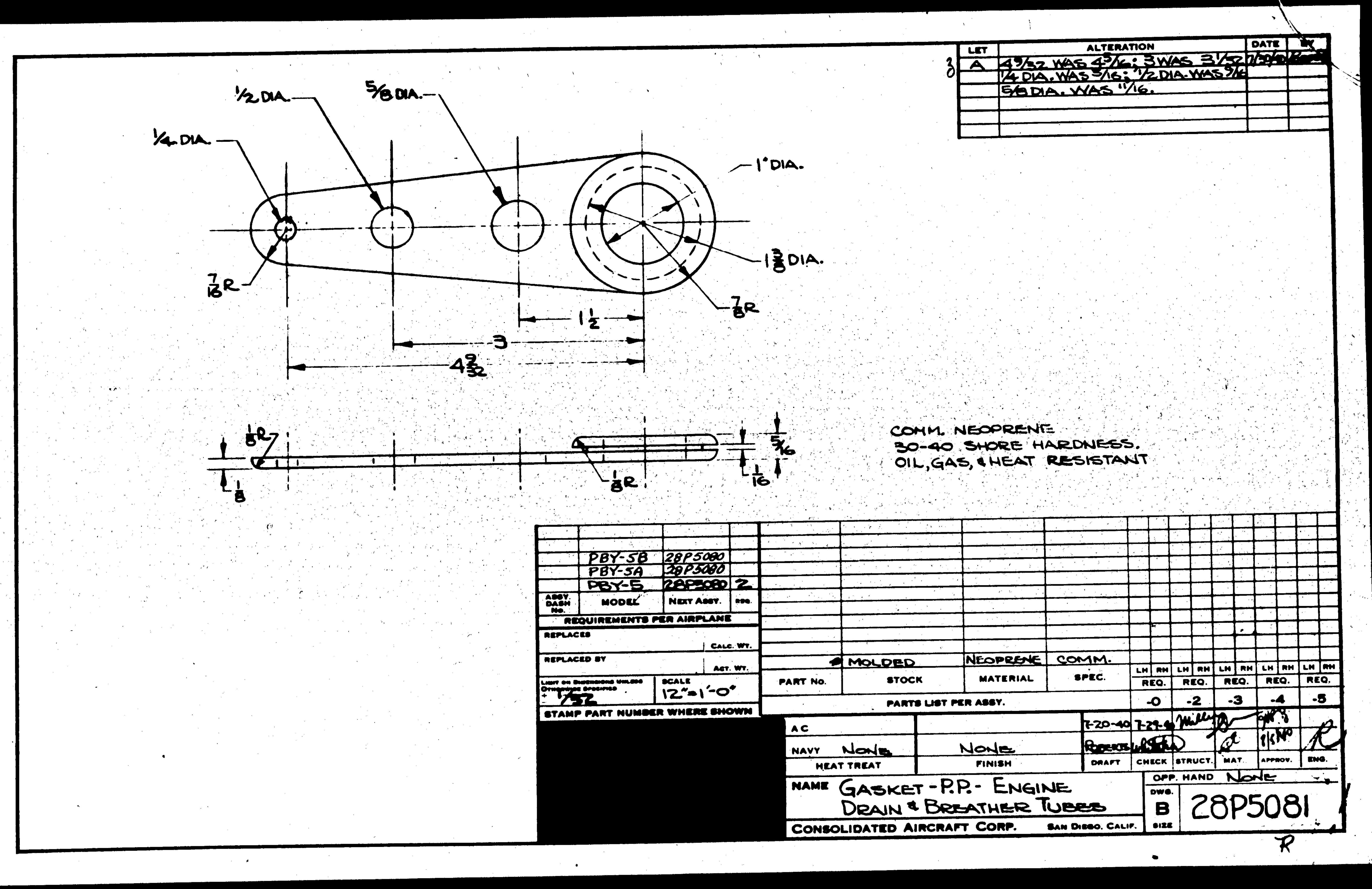
AC
NAVY
HEAT TREAT | FINISH
DRAFT SINGER 12-16-40 | CHECK | STRUCT | MAT | APPROV 9-23-41 | ENG

OPP HAND 28P5073-R

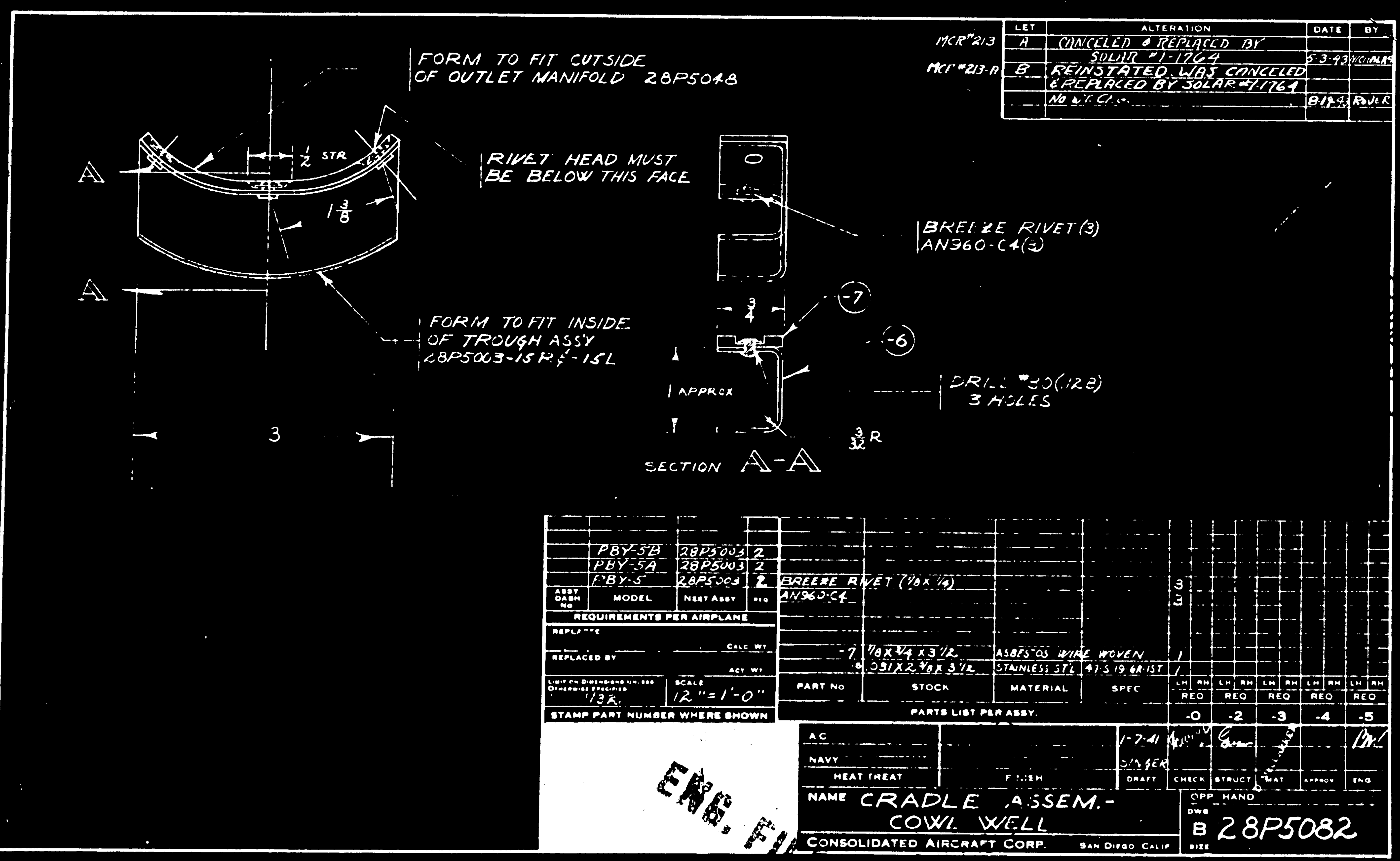
NAME TAB ASSEM. - COVER COWL WELL

DWG SIZE B 28P5073

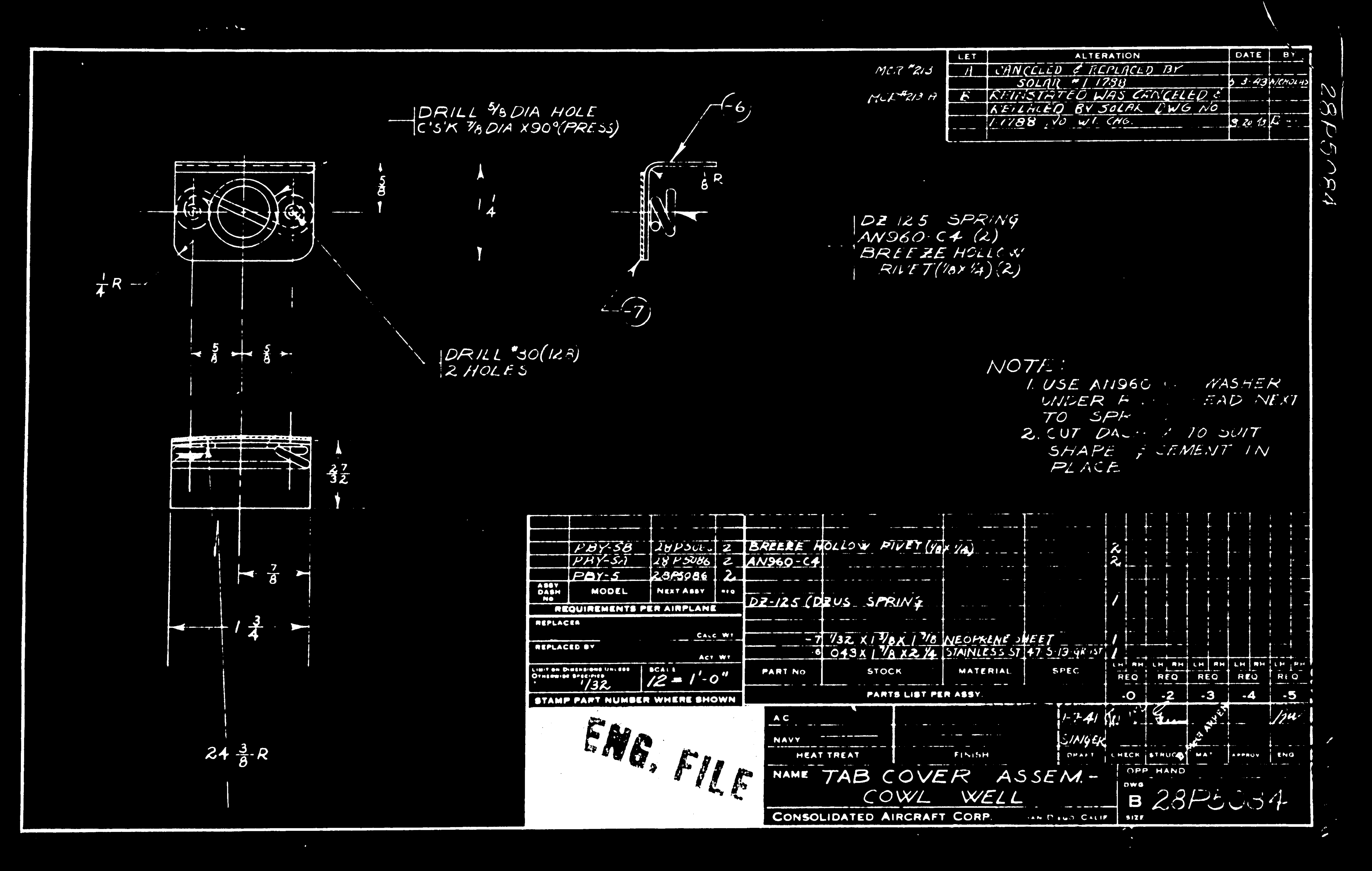
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF



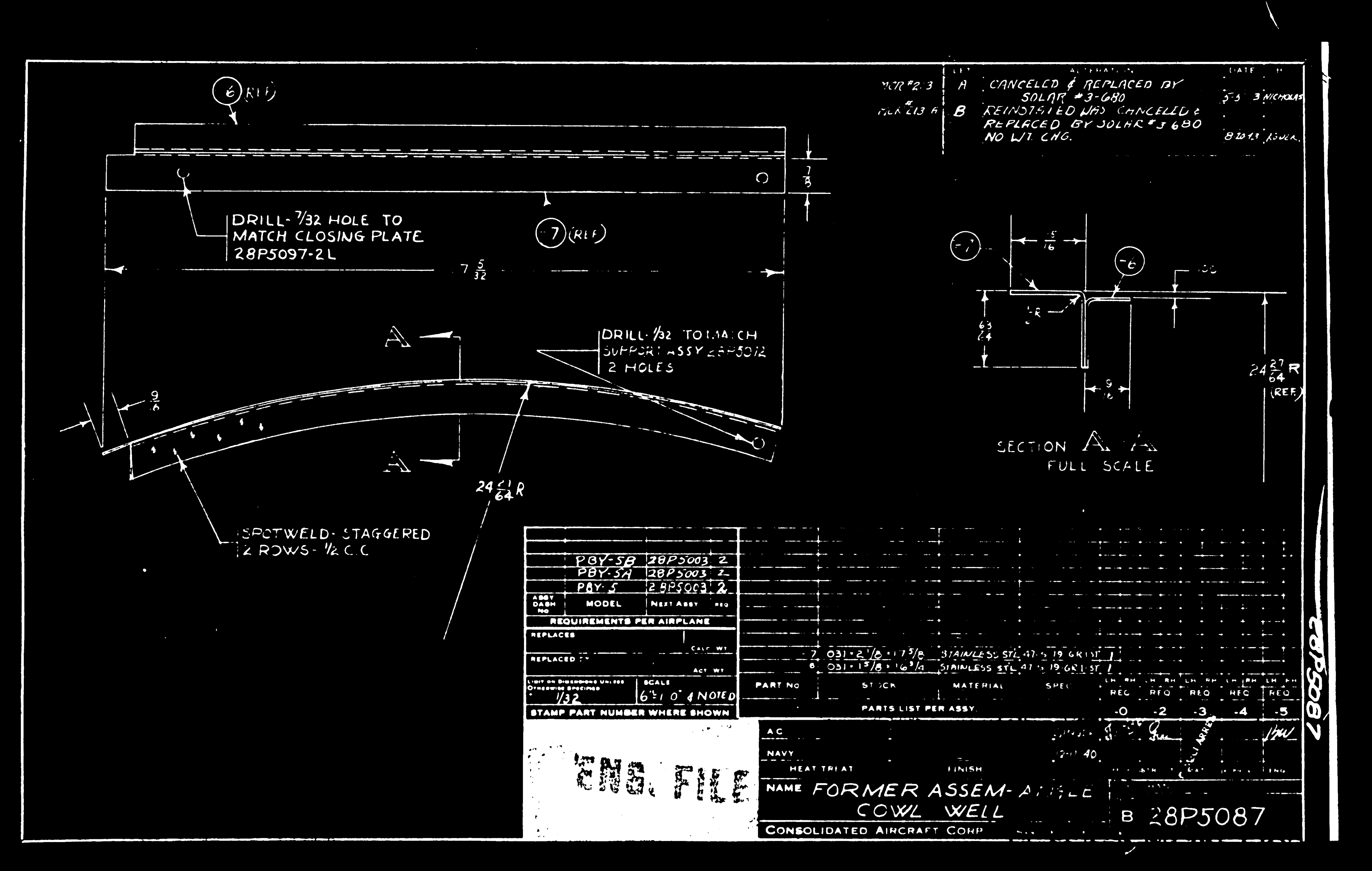
LET
ALTERATION
DATE
BY
A
4 9/32 WAS 4 5/16; 3 WAS 3 1/32
1/4 DIA. WAS 5/16; 1/2 DIA. WAS 9/16
5/8 DIA. WAS 11/16.
1/2 DIA.
5/8 DIA.
1/4 DIA.
1" DIA.
1 3/8 DIA.
7/16 R
7/8 R
1 1/2
3
4 9/32
1/8 R
5/16
1/8 R
1/16
1/8
COMM. NEOPRENE
30-40 SHORE HARDNESS.
OIL, GAS, & HEAT RESISTANT
PBY-5B 28P5080
PBY-5A 28P5080
PBY-5 28P5080 2
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
12"=1'-0"
± 1/32
STAMP PART NUMBER WHERE SHOWN
MOLDED
NEOPRENE
COMM.
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
AC
NAVY NONE
NONE
HEAT TREAT
FINISH
7-20-40
7-29-40
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
OPP. HAND NONE
NAME GASKET - P.P. - ENGINE DRAIN & BREATHER TUBES
DWG.
B
SIZE
28P5081
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO. CALIF.



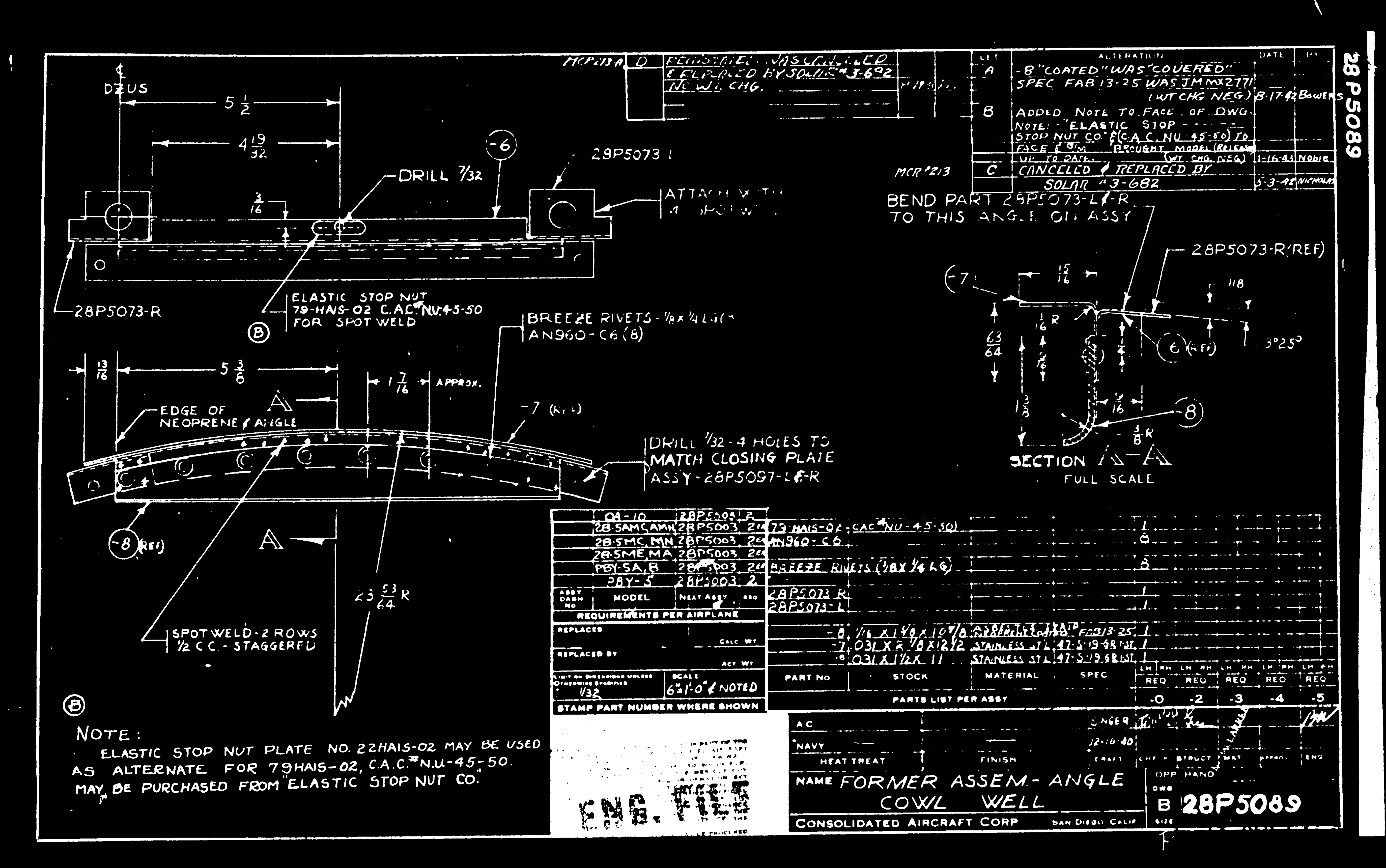
28P5082
FORM TO FIT OUTSIDE OF OUTLET MANIFOLD 28P5048
RIVET HEAD MUST BE BELOW THIS FACE
1/2 STR
1 3/8
A
A
FORM TO FIT INSIDE OF TROUGH ASSY 28P5003-15R & -15L
3
BREEZE RIVET (3) AN960-C4(3)
-7
-6
3/4
1 APPROX
DRILL #30 (.128) 3 HOLES
3/32 R
SECTION A-A
LET
ALTERATION
DATE
BY
MCR #213
A
CANCELED & REPLACED BY SOLAR #1-1764
5-3-43
MCR #213-A
B
REINSTATED. WAS CANCELED & REPLACED BY SOLAR #1-1764
8-19-43
PBY-5B 28P5003 2
PBY-5A 28P5003 2
PBY-5 28P5003 2
ASSY DASH NO
MODEL
NEXT ASSY
REQ
REQUIREMENTS PER AIRPLANE
BREEZE RIVET (1/8 X 1/4)
AN960-C4
3
3
-7 1/8 X 3/4 X 3 1/2 ASBESTOS WIRE WOVEN 1
-6 .091 X 2 7/8 X 3 1/2 STAINLESS STL 47-S 19-GR-1ST 1
REPLACES
CALC WT
REPLACED BY
ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
PART No
STOCK
MATERIAL
SPEC
LH RH REQ
PARTS LIST PER ASSY.
-0
-2
-3
-4
-5
AC
NAVY
HEAT TREAT
FINISH
1-7-41
DRAFT
CHECK
STRUCT
MAT
APPROV
ENG
NAME CRADLE ASSEM.- COWL WELL
OPP HAND
DWG
B 28P5082
SIZE
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF
ENG. FI

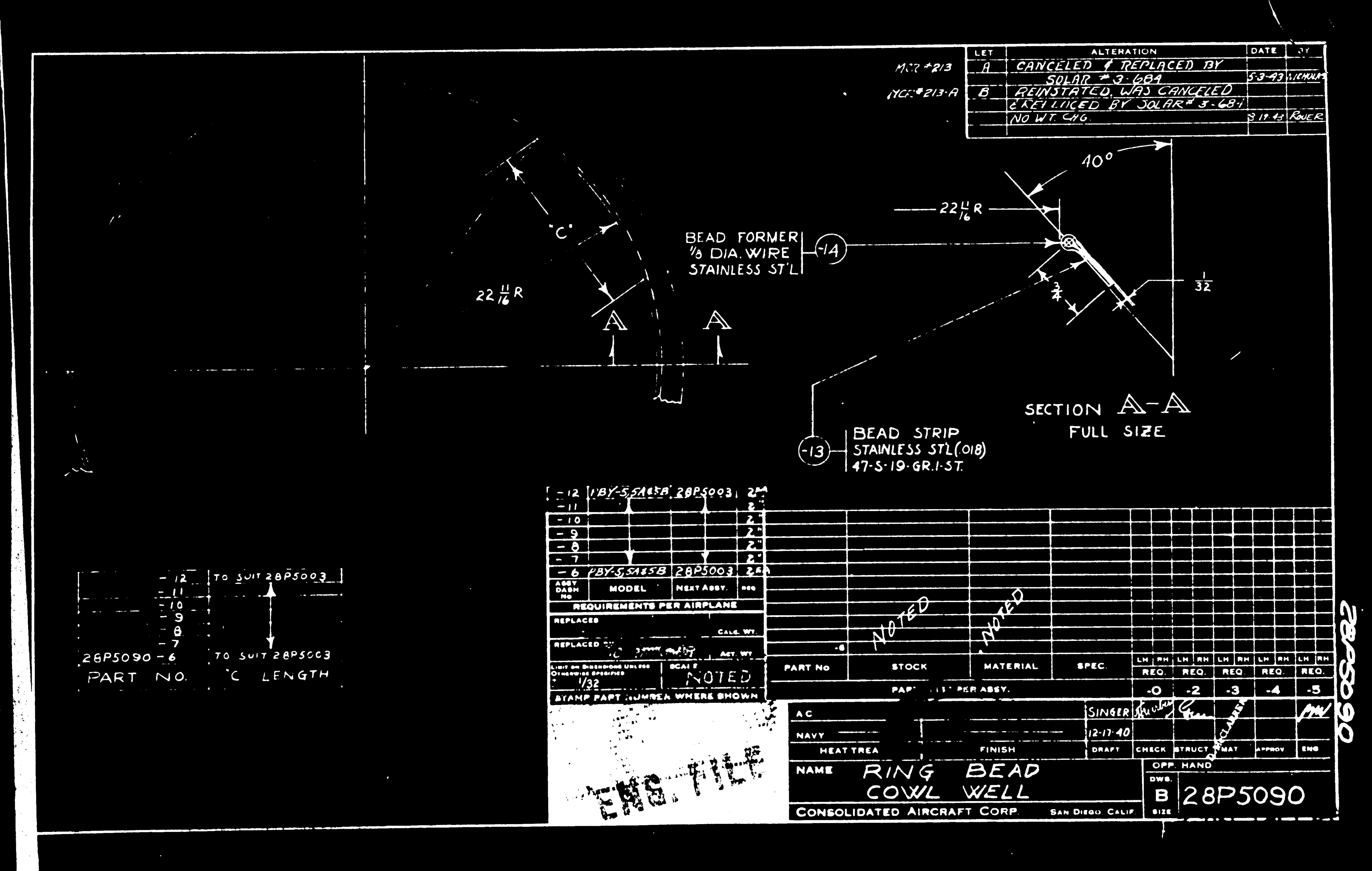


LET | ALTERATION | DATE | BY
MCR #213 A CANCELED & REPLACED BY SOLAR #1 1788 6-3-43 NICHOLAS
MCR #213 A B REINSTATED WAS CANCELED & REPLACED BY SOLAR DWG NO 1-1788 NO WT CHG.
DRILL 5/8 DIA HOLE
C'SK 7/8 DIA X90° (PRESS)
DZ 125 SPRING
AN960-C4 (2)
BREEZE HOLLOW RIVET (1/8 X 1/4) (2)
DRILL #30 (128)
2 HOLES
NOTE:
1. USE AN960 WASHER UNDER HEAD NEXT TO SPR
2. CUT DASH TO SUIT SHAPE & CEMENT IN PLACE
PBY-5B 28P5086 2
PBY-5A 28P5086 2
PBY-5 28P5086 2
ASSY DASH NO | MODEL | NEXT ASSY | REQ
REQUIREMENTS PER AIRPLANE
BREEZE HOLLOW RIVET (1/8 X 1/4) 2
AN960-C4 2
DZ-125 (DZUS) SPRING 1
-7 1/32 X 1 3/8 X 1 7/8 NEOPRENE SHEET 1
-6 .043 X 1 7/8 X 2 1/4 STAINLESS ST 47 S-13-GR 1ST 1
PART No | STOCK | MATERIAL | SPEC
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
CALC WT
ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 1/32
SCALE 12 = 1'-0"
STAMP PART NUMBER WHERE SHOWN
ENG. FILE
AC
NAVY
HEAT TREAT
FINISH
1-7-41 SINGER
DRAFT CHECK STRUCT MAT APPROV ENG
NAME TAB COVER ASSEM.- COWL WELL
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF
OPP HAND
DWG B 28P5084
SIZE
28P5084

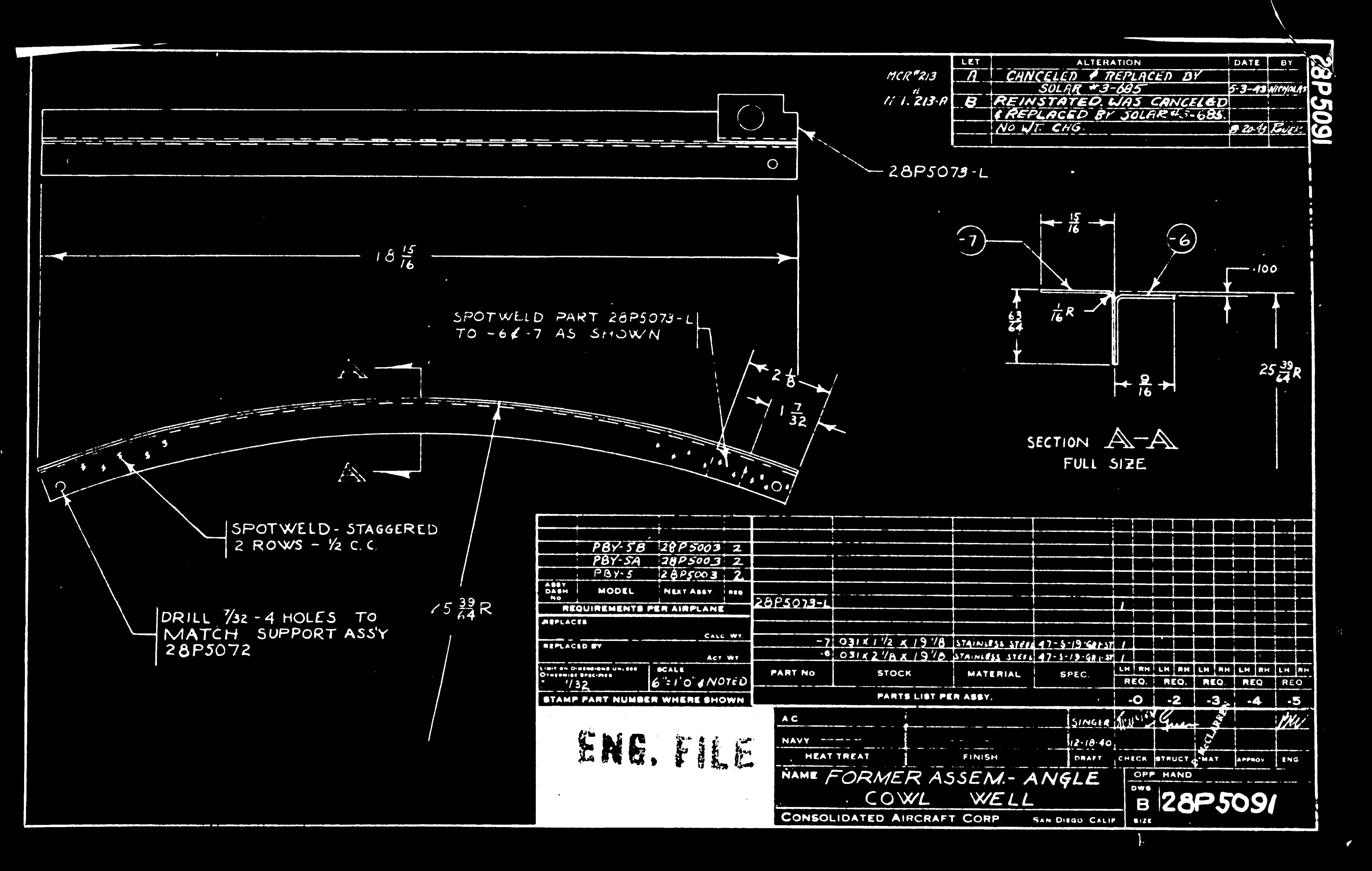


6 (REF)
7 (REF)
DRILL-7/32 HOLE TO MATCH CLOSING PLATE 28P5097-2L
7 5/32
DRILL-1/32 TO MATCH SUPPORT ASSY 28P5012 2 HOLES
SPOTWELD-STAGGERED 2 ROWS-1/2 C.C
24 21/64 R
A
A
SECTION A-A FULL SCALE
24 27/64 R (REF)
A CANCELED & REPLACED BY SOLAR #3-680
B REINSTATED WAS CANCELED & REPLACED BY SOLAR #3 680 NO WT. CHG.
PBY-5B 28P5003 2
PBY-5A 28P5003 2
PBY-5 28P5003 2
ASSY DASH NO / MODEL / NEXT ASSY / REQ
REQUIREMENTS PER AIRPLANE
REPLACES
REPLACED BY
CALC WT
ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 1/32
SCALE 6"=1'0" & NOTED
STAMP PART NUMBER WHERE SHOWN
-7 .031 × 2 1/8 × 17 5/8 STAINLESS STL 47-S 19 GR 1 ST 1
-6 .031 × 1 5/8 × 16 3/4 STAINLESS STL 47-S 19 GR 1 ST 1
PART NO / STOCK / MATERIAL / SPEC / LH RH REQ -0 / -2 / -3 / -4 / -5
PARTS LIST PER ASSY
A.C.
NAVY
HEAT TREAT
FINISH
ENG. FILE
NAME FORMER ASSEM-ANGLE COWL WELL
CONSOLIDATED AIRCRAFT CORP
B 28P5087
28P5087

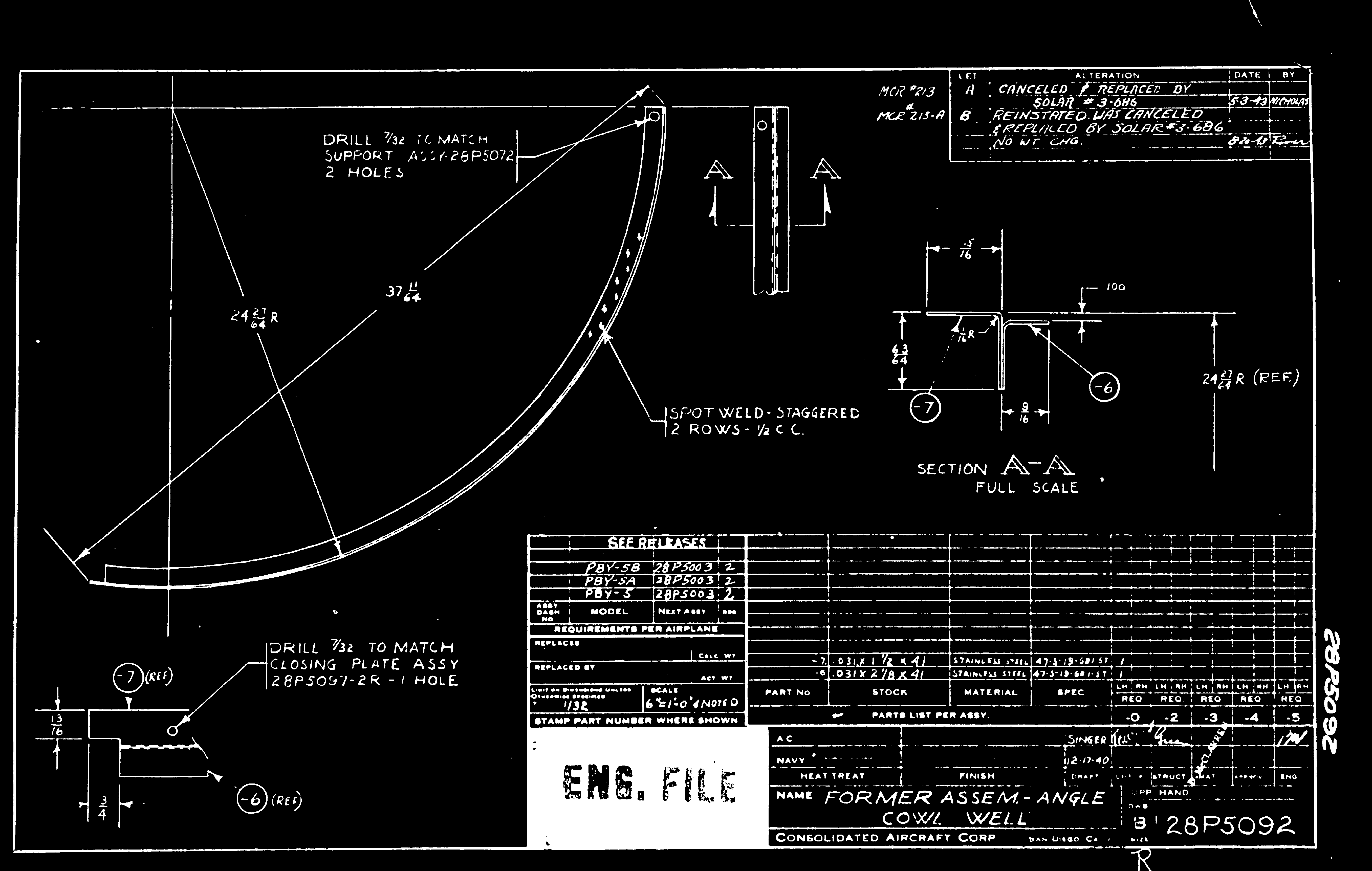

28P5089
DZUS
5 1/2
4 19/32
DRILL 7/32
-6
28P5073 L
ATTACH WITH 4 SPOTWELDS
3/16
28P5073-R
ELASTIC STOP NUT
79-HAIS-02 C.A.C.# NU-45-50
FOR SPOT WELD
BREEZE RIVETS - 1/8 x 1/4 LG
AN960-C6 (8)
13/16
5 3/8
1 7/16 APPROX.
EDGE OF NEOPRENE & ANGLE
-7 (REF)
DRILL 7/32 - 4 HOLES TO MATCH CLOSING PLATE ASSY - 28P5097-L&R
-8 (REF)
23 53/64 R
SPOTWELD - 2 ROWS 1/2 C.C. - STAGGERED
NOTE:
ELASTIC STOP NUT PLATE NO. 22HAIS-02 MAY BE USED AS ALTERNATE FOR 79HAIS-02, C.A.C.# N.U.-45-50. MAY BE PURCHASED FROM "ELASTIC STOP NUT CO."
BEND PART 28P5073-L&R TO THIS ANGLE ON ASSY
28P5073-R (REF)
15/16
118
3°25'
-6 (REF)
63/64
1/16 R
1 3/8
9/16
-8
3/8 R
SECTION A-A
FULL SCALE
MCR 213-A | D | REINSTATED - WAS CANCELLED & REPLACED BY SOLAR #3-692 NO WT. CHG.
A | -8 "COATED" WAS "COVERED" SPEC. FAB 13-25 WAS JM MX2771 (WT CHG NEG.) | 8-17-42 | BOWERS
B | ADDED NOTE TO FACE OF DWG. NOTE: "ELASTIC STOP ... STOP NUT CO." (C.A.C. NU-45-50) TO FACE OF DWG. BROUGHT MODEL (RELEASE) UP TO DATE (WT. CHG. NEG.) | 1-16-43 | NOBLE
MCR #213 | C | CANCELLED & REPLACED BY SOLAR #3-682 | 5-3-42 | NICHOLAS
0A-10 | 28P5005
28-5AM, CAMN | 28P5003
28-5MC, MN | 28P5003
28-5ME, MA | 28P5003
PBY-5A, B | 28P5003
PBY-5 | 28P5003
ASSY DASH NO | MODEL | NEXT ASSY | REQ
REQUIREMENTS PER AIRPLANE
REPLACES | CALC WT
REPLACED BY | ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 1/32
SCALE 6"=1'-0" & NOTED
STAMP PART NUMBER WHERE SHOWN
79-HAIS-02 - CAC# NU-45-50 | 1
AN960-C6 | 8
BREEZE RIVETS (1/8 X 1/4 LG) | 8
28P5073-R | 1
28P5073-L | 1
-8 | 1/16 X 1 1/8 X 10 7/8 | ASBESTOS STRIP NEOPRENE COATED | FAB 13-25 | 1
-7 | .031 X 2 7/8 X 12 1/2 | STAINLESS STL | 47-S-19-6R | 1
-6 | .031 X 1/2 X 11 | STAINLESS STL | 47-S-19-6R | 1
PART NO | STOCK | MATERIAL | SPEC | LH RH REQ -0 | -2 | -3 | -4 | -5
PARTS LIST PER ASSY
AC
NAVY
HEAT TREAT | FINISH
12-16-40
OPP HAND
NAME FORMER ASSEM. - ANGLE COWL WELL
DWG B 28P5089
CONSOLIDATED AIRCRAFT CORP SAN DIEGO CALIF
ENG. FILE



LET | ALTERATION | DATE | BY
MCR #213 A CANCELED & REPLACED BY SOLAR # 3-684 5-3-43
MCR #213-A B REINSTATED, WAS CANCELED & REPLACED BY SOLAR # 3-684 NO WT. CHG. 8-19-43 ROVER
40°
22 11/16 R
BEAD FORMER 1/8 DIA. WIRE STAINLESS ST'L -14
"C"
22 11/16 R
A A
3/4
1/32
SECTION A-A FULL SIZE
-13 BEAD STRIP STAINLESS ST'L (.018) 47-S-19-GR.1-ST.
-12 TO SUIT 28P5003
-11
-10
-9
-8
-7
28P5090 -6 TO SUIT 28P5003
PART NO. "C" LENGTH
-12 PBY-5,5A&5B 28P5003 2
-11 2
-10 2
-9 2
-8 2
-7 2
-6 PBY-5,5A&5B 28P5003 2
ASSY DASH NO | MODEL | NEXT ASSY. | REQ
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE NOTED
STAMP PART NUMBER WHERE SHOWN
NOTED
NOTED
PART No | STOCK | MATERIAL | SPEC. | LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY
HEAT TREAT
FINISH
SINGER
12-17-40
DRAFT | CHECK | STRUCT | MAT | APPROV | ENG
OPP. HAND
NAME RING BEAD COWL WELL
DWG. SIZE B 28P5090
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
ENG. FILE
28P5090



28P5091
MCR #213
" 213-A
LET | ALTERATION | DATE | BY
A | CANCELED & REPLACED BY SOLAR #3-685 | 5-3-43
B | REINSTATED. WAS CANCELED & REPLACED BY SOLAR #3-685. NO WT. CHG.
28P5073-L
18 15/16
SPOTWELD PART 28P5073-L TO -6 & -7 AS SHOWN
2 1/8
1 7/32
A
A
SPOTWELD - STAGGERED 2 ROWS - 1/2 C.C.
DRILL 7/32 - 4 HOLES TO MATCH SUPPORT ASS'Y 28P5072
25 39/64 R
-7
-6
15/16
.100
63/64
1/16 R
9/16
25 39/64 R
SECTION A-A FULL SIZE
PBY-5B 28P5003 2
PBY-5A 28P5003 2
PBY-5 28P5003 2
ASSY DASH NO | MODEL | NEXT ASSY | REQ
REQUIREMENTS PER AIRPLANE
REPLACES
CALC WT.
REPLACED BY
ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 1/32
SCALE 6"=1'0" & NOTED
STAMP PART NUMBER WHERE SHOWN
28P5073-L 1
-7 .031 x 1 1/2 x 19 7/8 STAINLESS STEEL 47-S-19-GR.1-ST 1
-6 .031 x 2 1/8 x 19 7/8 STAINLESS STEEL 47-S-19-GR.1-ST 1
PART No | STOCK | MATERIAL | SPEC. | LH RH REQ. | LH RH REQ. | LH RH REQ. | LH RH REQ | LH RH REQ
PARTS LIST PER ASSY. -0 -2 -3 -4 -5
ENG. FILE
AC
NAVY
HEAT TREAT
FINISH
SINGER
12-18-40
DRAFT CHECK STRUCT MAT APPROV ENG
NAME FORMER ASSEM.- ANGLE COWL WELL
OPP HAND
DWG
B 28P5091
SIZE
CONSOLIDATED AIRCRAFT CORP SAN DIEGO CALIF



LET	ALTERATION	DATE	BY
A	CANCELED & REPLACED BY SOLAR # 3-686	5-3-43	NICHOLAS
B	REINSTATED. WAS CANCELED & REPLACED BY SOLAR # 3-686 No WT CHG.	8-20-43	

SEE RELEASES			
	PBY-5B	28P5003	2
	PBY-5A	28P5003	2
	PBY-5	28P5003	2
ASSY DASH No	MODEL	NEXT ASSY	REQ

REQUIREMENTS PER AIRPLANE

REPLACES — CALC WT

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'-0" & NOTED

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ (-0)	REQ (-2)	REQ (-3)	REQ (-4)	REQ (-5)
-7	.031 X 1 1/2 X 41	STAINLESS STEEL	47-5-19-68 1-ST	1				
-6	.031 X 2 1/8 X 41	STAINLESS STEEL	47-5-19-68 1-ST	1				

PARTS LIST PER ASSY.

AC — NAVY — HEAT TREAT — FINISH

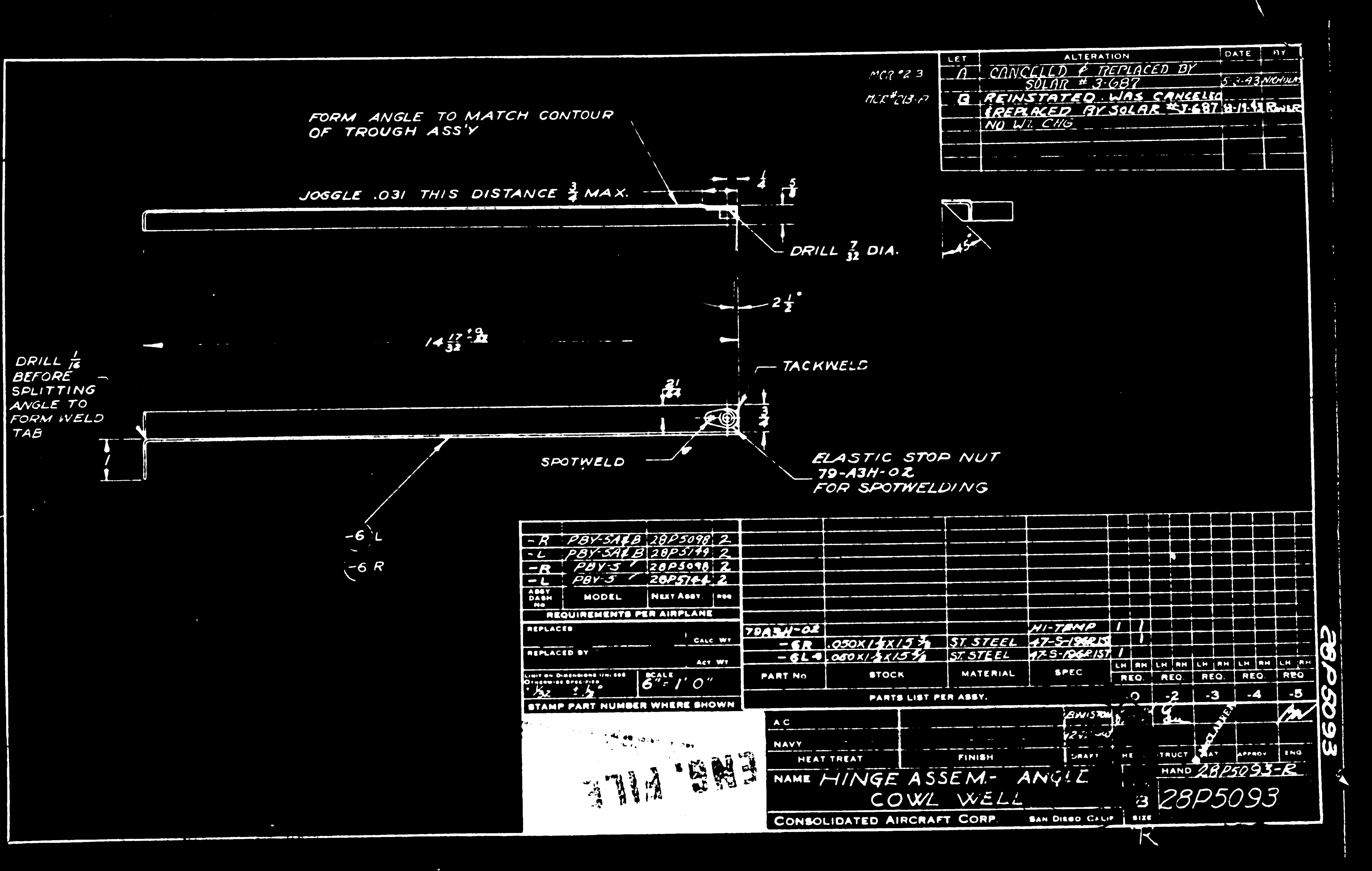
SINGER 12-17-40 — DRAFT — CHECK — STRUCT — MAT — APPROV — ENG

NAME FORMER ASSEM. - ANGLE COWL WELL

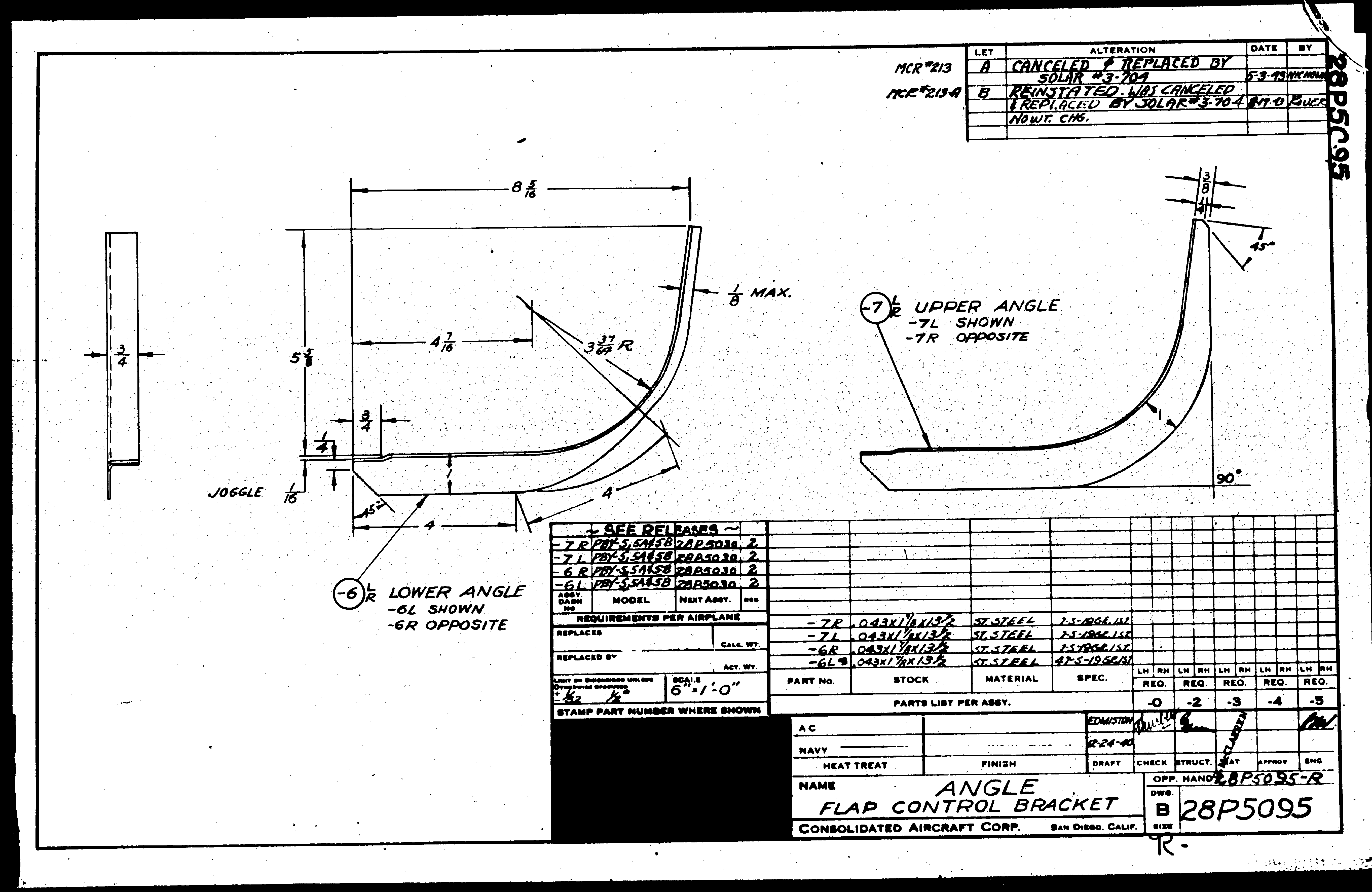
OPP HAND

DWG B 28P5092

CONSOLIDATED AIRCRAFT CORP SAN DIEGO CAL



FORM ANGLE TO MATCH CONTOUR OF TROUGH ASS'Y
JOGGLE .031 THIS DISTANCE 3/4 MAX.
DRILL 7/32 DIA.
TACKWELD
DRILL 1/16 BEFORE SPLITTING ANGLE TO FORM WELD TAB
SPOTWELD
ELASTIC STOP NUT 79-A3H-02 FOR SPOTWELDING
-6 L
-6 R
LET
ALTERATION
DATE
BY
A CANCELLED & REPLACED BY SOLAR # 3-687
B REINSTATED. WAS CANCELLED & REPLACED BY SOLAR #3-687 NO WT. CHG
-R PBY-5A & B 28P5098 2
-L PBY-5A & B 28P5149 2
-R PBY-5 28P5098 2
-L PBY-5 2
ASSY DASH NO
MODEL
NEXT ASSY.
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
CALC WT
REPLACED BY
ACT WT
SCALE 6" = 1' 0"
STAMP PART NUMBER WHERE SHOWN
79A3H-02
HI-TEMP
-6R .050X1 X15 ST. STEEL
-6L .050X1 X15 ST. STEEL
PART No
STOCK
MATERIAL
SPEC
REQ.
PARTS LIST PER ASSY.
ENG. FILE
A C
NAVY
HEAT TREAT
FINISH
NAME HINGE ASSEM.- ANGLE COWL WELL
HAND 28P5093-R
28P5093
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF
SIZE



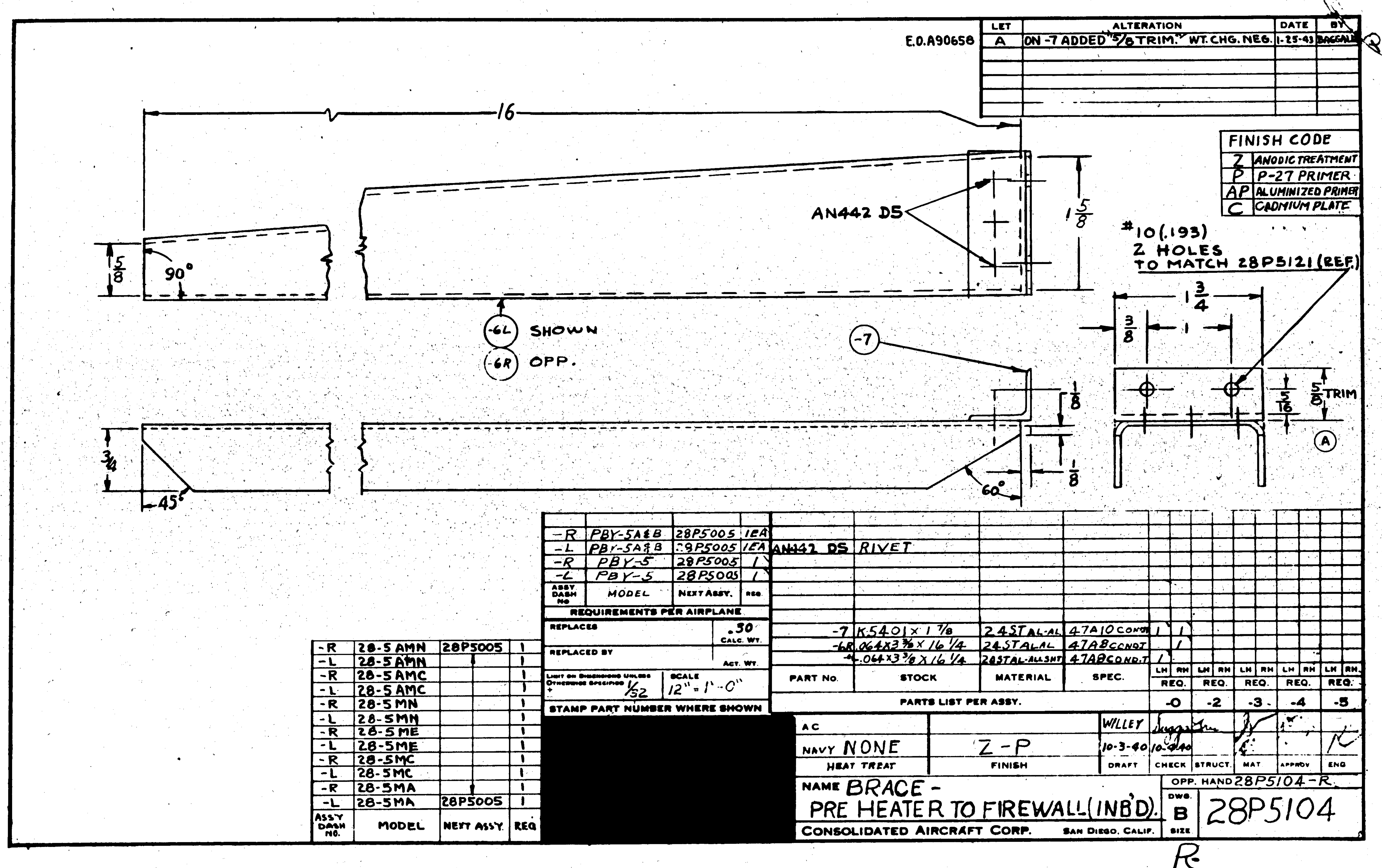
LET	ALTERATION	DATE	BY
A	CANCELED & REPLACED BY SOLAR #3-704	5-3-43	NICHOLS
B	REINSTATED. WAS CANCELED & REPLACED BY SOLAR #3-704. NO WT. CHG.	8-19-43	RUER

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
-7R	PBY-5, 5A & 5B	28P5030	2
-7L	PBY-5, 5A & 5B	28P5030	2
-6R	PBY-5, 5A & 5B	28P5030	2
-6L	PBY-5, 5A & 5B	28P5030	2

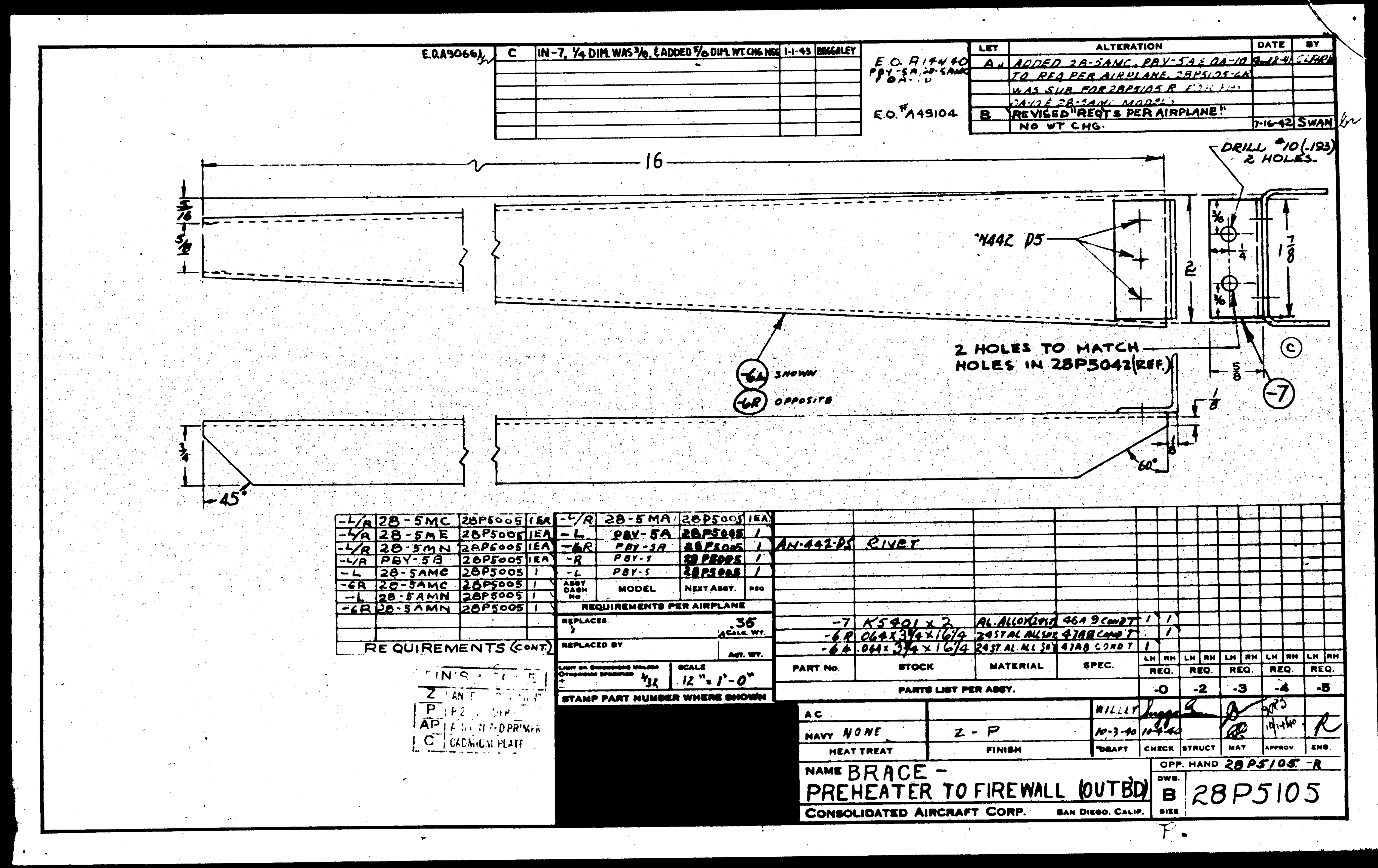
SEE RELEASES — REQUIREMENTS PER AIRPLANE

PART No.	STOCK	MATERIAL	SPEC.
-7R	.043x1 1/8x13 1/2	ST. STEEL	7-S-196E. 1ST
-7L	.043x1 1/8x13 1/2	ST. STEEL	7-S-196E. 1ST
-6R	.043x1 1/8x13 1/2	ST. STEEL	7-S-196E. 1ST
-6L	.043x1 1/8x13 1/2	ST. STEEL	47-S-196E. 1ST

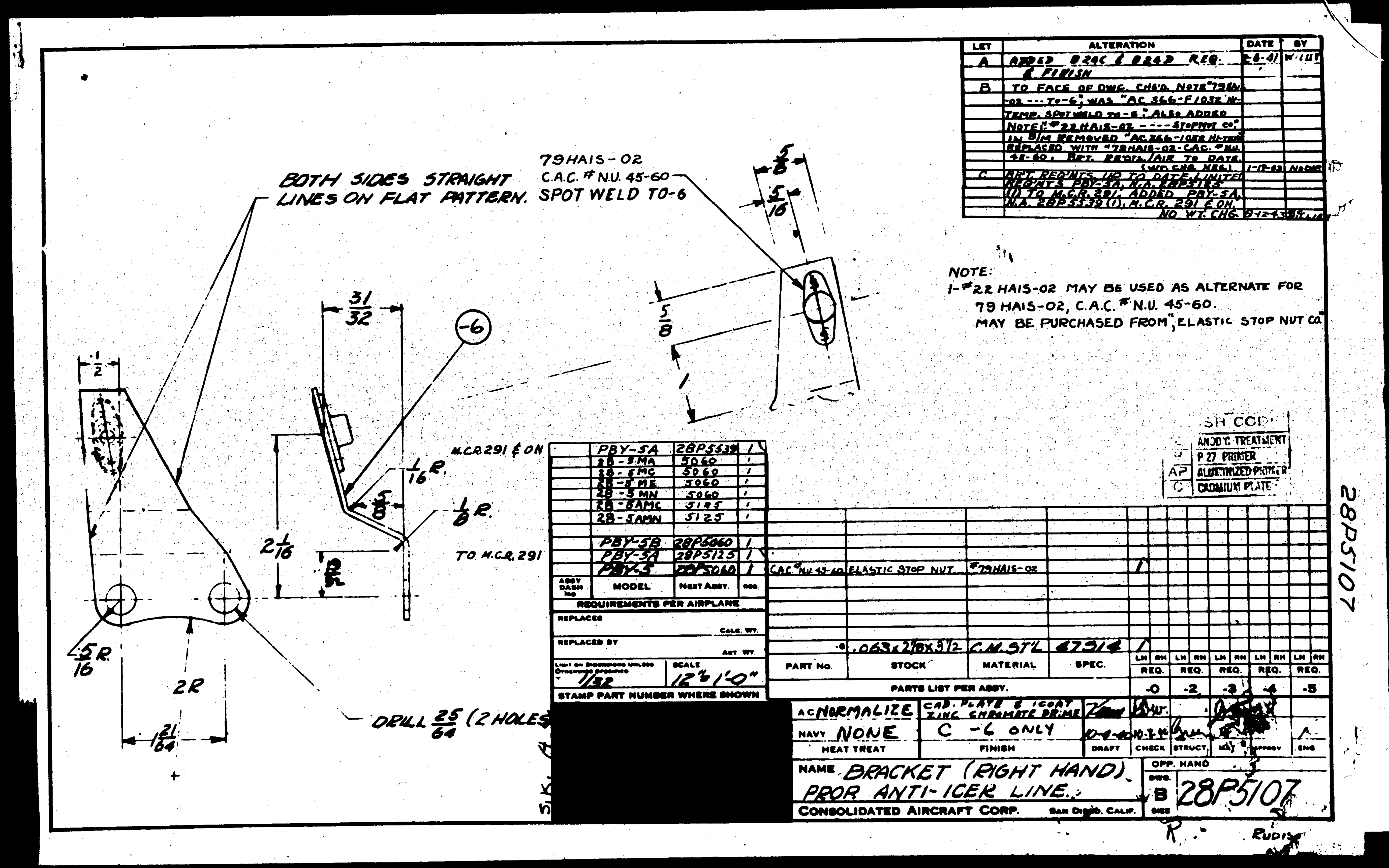
PARTS LIST PER ASSY. — LH RH REQ. -0, -2, -3, -4, -5



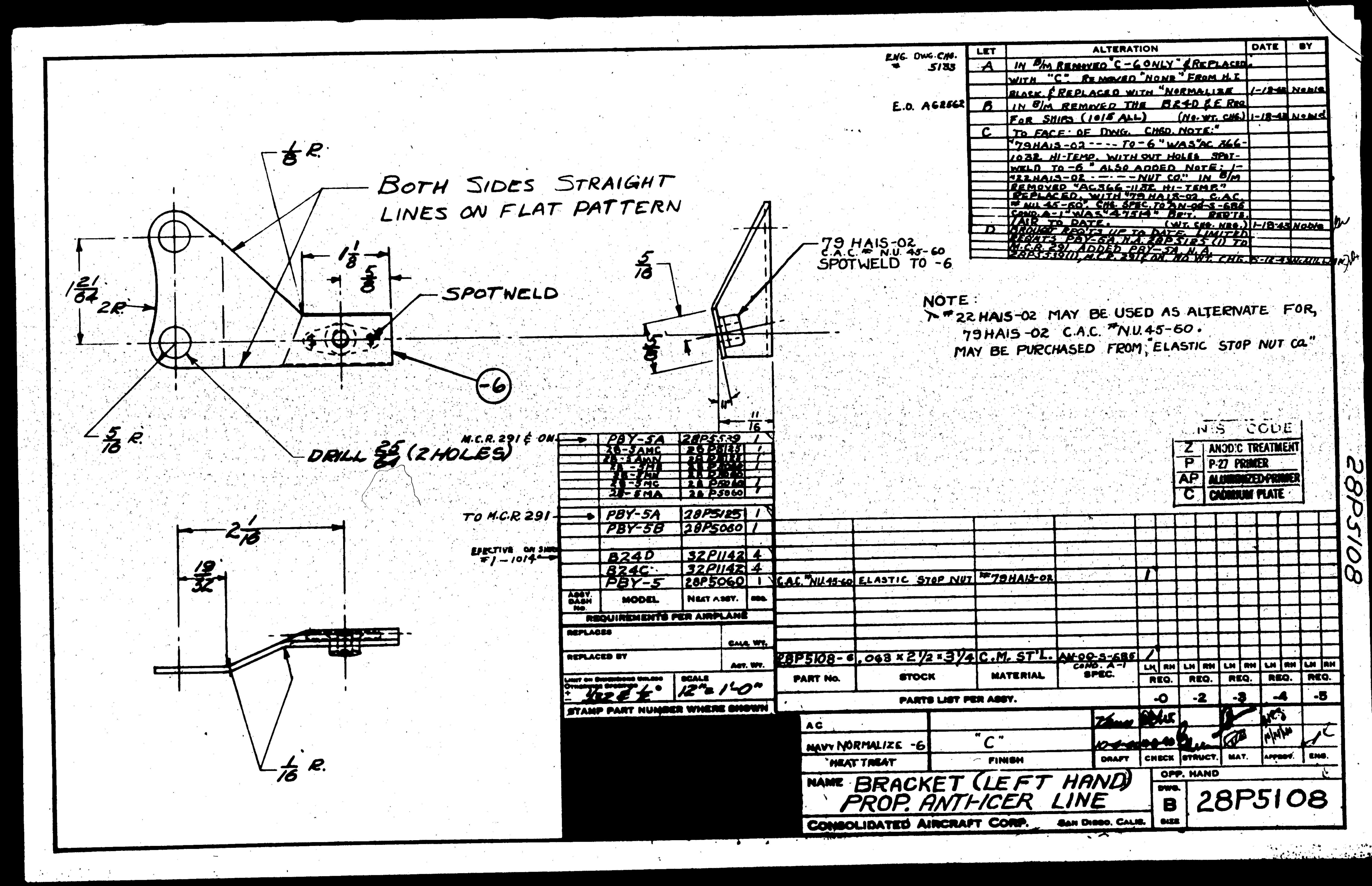
E.O.A90658
LET | ALTERATION | DATE | BY
A | ON -7 ADDED "5/8 TRIM." WT. CHG. NEG. | 1-25-43 | BAGGALEY
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
16
AN442 D5
1 5/8
5/8
90°
-6L SHOWN
-6R OPP.
#10 (.193)
2 HOLES
TO MATCH 28P5121 (REF.)
1 3/4
3/8
1
5/16
5/8 TRIM
A
-7
1/8
1/8
3/4
45°
60°
-R PBY-5A&B 28P5005 1EA
-L PBY-5A&B 28P5005 1EA
-R PBY-5 28P5005 1
-L PBY-5 28P5005 1
ASSY DASH No | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
AN442 D5 RIVET
REPLACES .30 CALC. WT.
REPLACED BY ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
-7 K5401 × 1 7/8 24ST AL-AL 47A10 COND.T 1 1
-6R .064 × 3 3/8 × 16 1/4 24ST AL-AL 47A8 COND.T 1
-6L .064 × 3 3/8 × 16 1/4 24ST AL-ALSHT 47A8 COND.T 1
PART No. | STOCK | MATERIAL | SPEC. | LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
PARTS LIST PER ASSY.
-R 28-5AMN 28P5005 1
-L 28-5AMN 1
-R 28-5AMC 1
-L 28-5AMC 1
-R 28-5MN 1
-L 28-5MN 1
-R 28-5ME 1
-L 28-5ME 1
-R 28-5MC 1
-L 28-5MC 1
-R 28-5MA 1
-L 28-5MA 28P5005 1
ASSY DASH NO. | MODEL | NEXT ASSY. | REQ
[redacted]
AC
NAVY NONE
HEAT TREAT
Z-P
FINISH
WILLEY 10-3-40 DRAFT
10-4-40 CHECK
STRUCT.
MAT
APPROV
ENG
OPP. HAND 28P5104-R.
NAME BRACE - PRE HEATER TO FIREWALL (INB'D).
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
DWG. SIZE B
28P5104
R



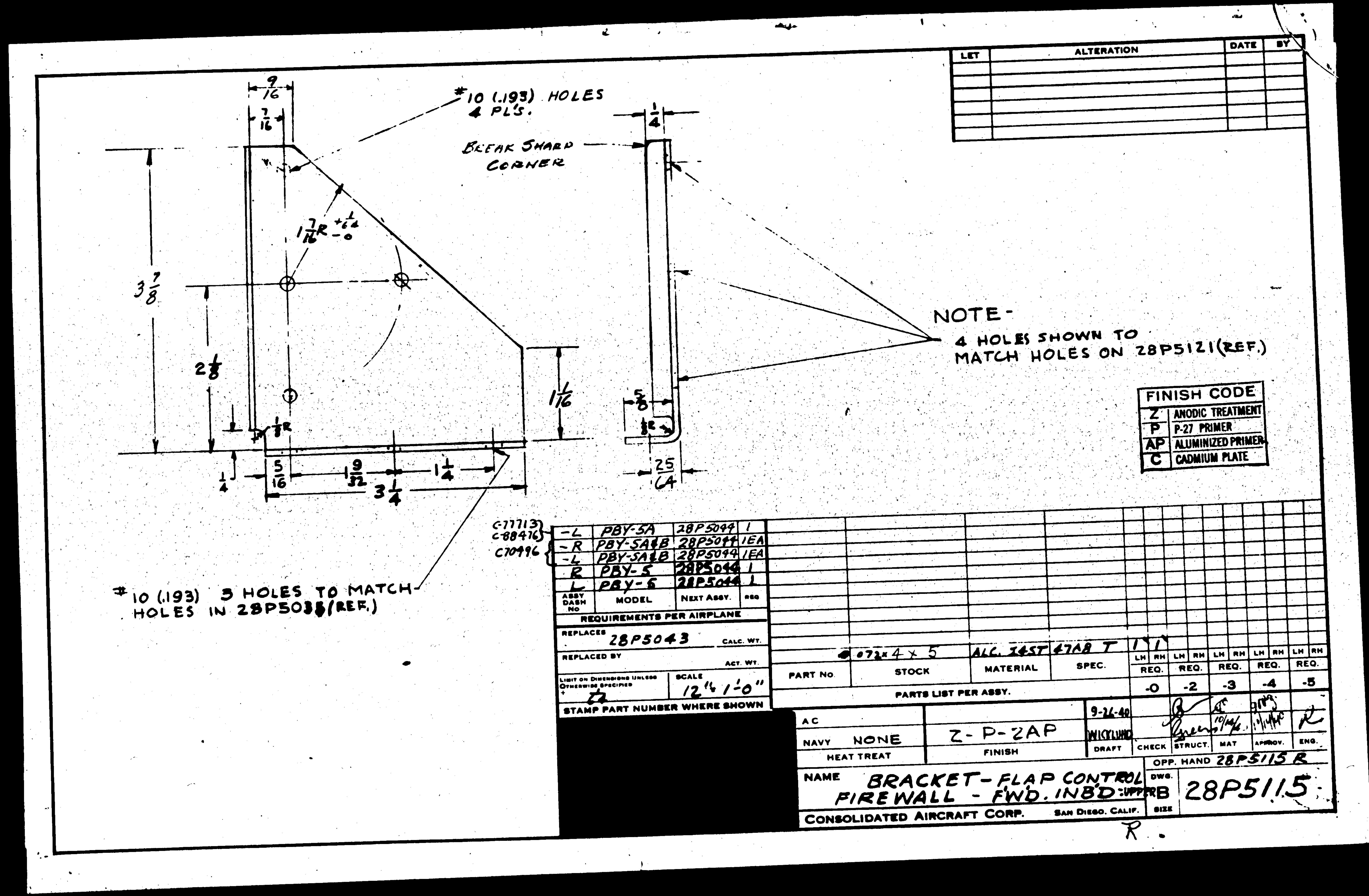
E.O.A30661
C | IN-7, 1/4 DIM. WAS 3/16, & ADDED 5/16 DIM. WT. CHG. NEG. | 1-1-43 | BRIGGALEY
E.O. A14440 PBY-5A, 28-5AMC, OA-10
E.O. #A49104
LET | ALTERATION | DATE | BY
A | ADDED 28-5AMC, PBY-5A & OA-10 TO REQ PER AIRPLANE. 28P5105-6R WAS SUB. FOR 28P5105 R FOR PBY, OA-10 & 28-5AMC MODELS
B | REVISED "REQ'TS PER AIRPLANE" NO WT CHG. | 7-16-42 | SWAN
16
DRILL #10 (.193) 2 HOLES.
AN442 D5
2
1 7/8
2 HOLES TO MATCH HOLES IN 28P5042 (REF.)
-6L SHOWN
-6R OPPOSITE
5/8
-7
1/8
3/4
45°
60°
C
-L/R | 28-5MC | 28P5005 | 1 EA
-L/R | 28-5ME | 28P5005 | 1 EA
-L/R | 28-5MN | 28P5005 | 1 EA
-L/R | PBY-5B | 28P5005 | 1 EA
-L | 28-5AMC | 28P5005 | 1
-6R | 28-5AMC | 28P5005 | 1
-L | 28-5AMN | 28P5005 | 1
-6R | 28-5AMN | 28P5005 | 1
REQUIREMENTS (CONT.)
-L/R | 28-5MA | 28P5005 | 1 EA
-L | PBY-5A | 28P5005 | 1
-6R | PBY-5A | 28P5005 | 1
-R | PBY-5 | 28P5005 | 1
-L | PBY-5 | 28P5005 | 1
ASSY DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.35 CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
FINISH CODE
Z | ANTI-CORROSION PAINT
P | PZ PRIMER
AP | ANODIZED PRIMER
C | CADMIUM PLATE
AN-442-D5 | RIVET
-7 | KS401 x 2 | AL. ALLOY (24ST) | 46A9 COND T | 1 | 1
-6R | .064 x 3/4 x 16 1/4 | 24ST AL. ALLOY | 47A8 COND T | | 1
-6L | .064 x 3/4 x 16 1/4 | 24ST AL. ALLOY | 47A8 COND T | 1 |
PART No. | STOCK | MATERIAL | SPEC. | LH REQ. -0 | RH | LH REQ. -2 | RH | LH REQ. -3 | RH | LH REQ. -4 | RH | LH REQ. -5 | RH
PARTS LIST PER ASSY.
AC
NAVY NONE
HEAT TREAT
Z - P
FINISH
WILLEY 10-3-40 | [illegible] 10-4-40 | [illegible] | [illegible] | 10-14-40 | [illegible]
DRAFT | CHECK | STRUCT. | MAT | APPROV. | ENG.
OPP. HAND 28P5105-R
NAME BRACE - PREHEATER TO FIREWALL (OUTBD)
DWG. SIZE B
28P5105
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



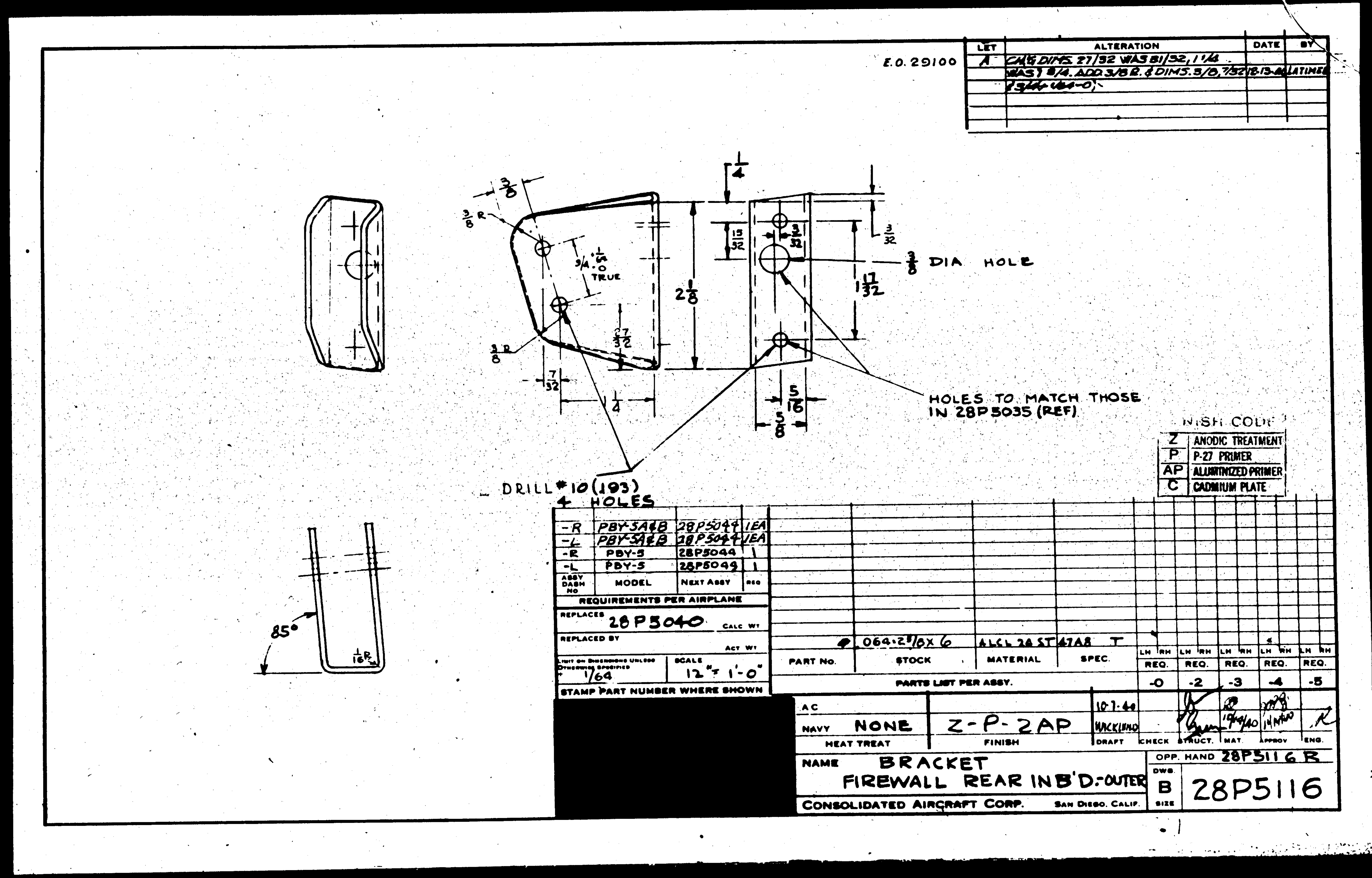
LET
ALTERATION
DATE
BY
A
ADDED B24C & B24D REQ. & FINISH
B
TO FACE OF DWG. CHG'D. NOTE "79HAIS-02 --- TO-6", WAS "AC 366-F1032 HI-TEMP. SPOT WELD TO -6". ALSO ADDED NOTE: "#22 HAIS-02 ---- STOPNUT CO." IN B/M REMOVED "AC366-1032 HI-TEMP" REPLACED WITH "79HAIS-02-CAC. #NU. 45-60. RPT. REQTS./AIR TO DATE. (WT. CHG. NEG.)
C
RPT. REQMTS. UP TO DATE; LIMITED REQMTS. PBY-5A, N.A. 28P5125 (1) TO M.C.R. 291; ADDED PBY-5A, N.A. 28P5539 (1), M.C.R. 291 & ON. NO WT. CHG.
BOTH SIDES STRAIGHT LINES ON FLAT PATTERN.
79HAIS-02
C.A.C. # N.U. 45-60
SPOT WELD TO-6
NOTE:
1-#22 HAIS-02 MAY BE USED AS ALTERNATE FOR 79 HAIS-02, C.A.C. # N.U. 45-60.
MAY BE PURCHASED FROM "ELASTIC STOP NUT CO."
-6
31/32
1/2
5/8
5/16
1
1/16 R.
5/8
1/8 R.
2 1/16
5/16 R.
2R
1 21/64
DRILL 25/64 (2 HOLES
M.C.R. 291 & ON
TO M.C.R. 291
PBY-5A 28P5539 1
28-5MA 5060 1
28-6MC 5060 1
28-5ME 5060 1
28-5MN 5060 1
28-5AMC 5125 1
28-5AMN 5125 1
PBY-5B 28P5060 1
PBY-5A 28P5125 1
PBY-5 28P5060 1
ASSY DASH No
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
[redacted]
FINISH CODE
A ANODIC TREATMENT
P P 27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
CAC. #NU 45-60 ELASTIC STOP NUT #79HAIS-02 1
-6 .063 x 2 7/8 x 3 1/2 C.M. ST'L 47314 1
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
AC NORMALIZE
NAVY NONE
HEAT TREAT
CAD. PLATE & 1 COAT ZINC CHROMATE PRIME
C -6 ONLY
FINISH
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NAME BRACKET (RIGHT HAND) PROP. ANTI-ICER LINE.
OPP. HAND
DWG. SIZE B
28P5107
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
28P5107



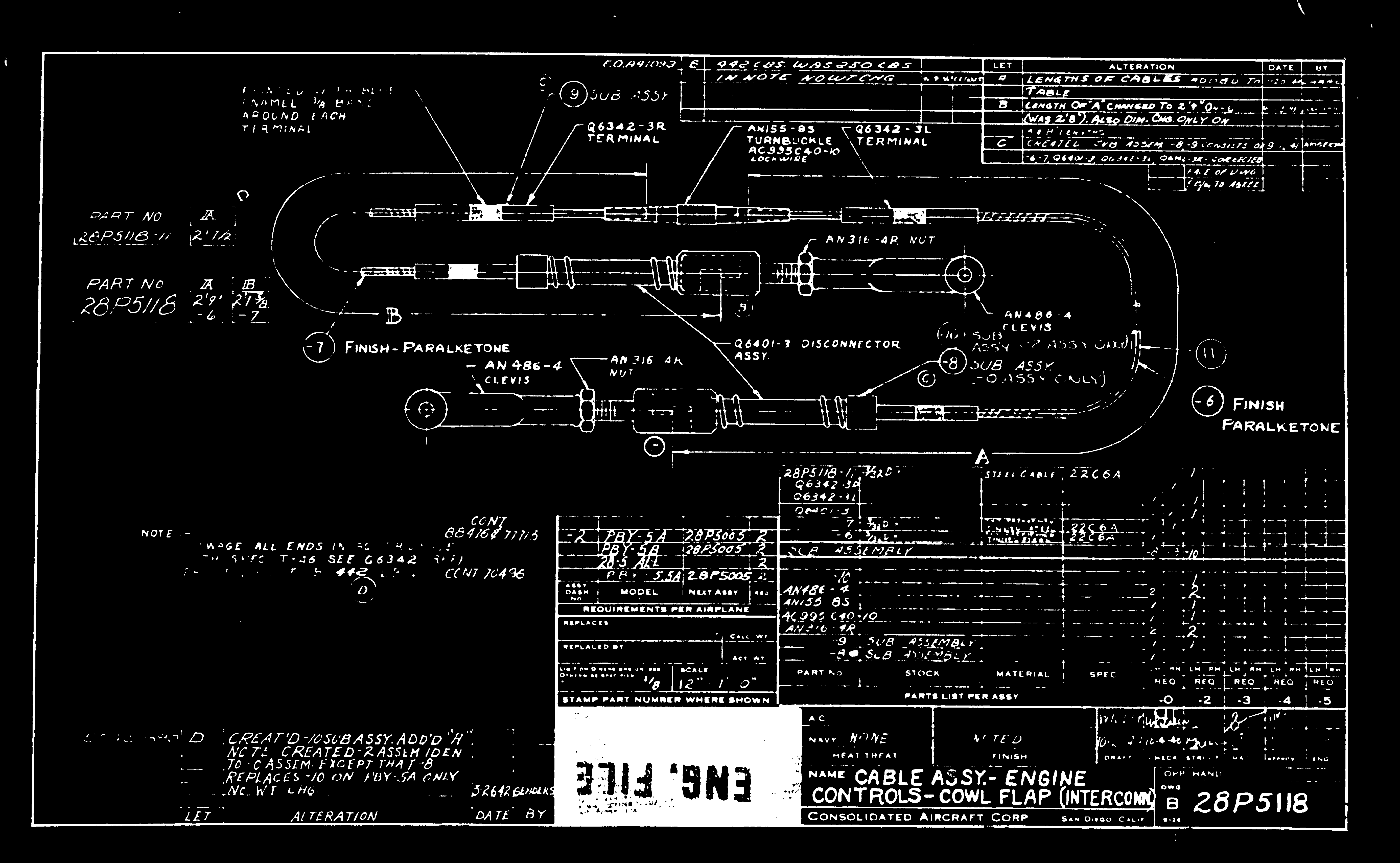
BOTH SIDES STRAIGHT LINES ON FLAT PATTERN
SPOTWELD
DRILL 25/64 (2 HOLES)
79 HAIS-02 C.A.C. # N.U. 45-60 SPOTWELD TO -6
NOTE: 22 HAIS-02 MAY BE USED AS ALTERNATE FOR, 79 HAIS-02 C.A.C. # N.U. 45-60. MAY BE PURCHASED FROM "ELASTIC STOP NUT Co."
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
M.C.R. 291 & ON PBY-5A 28P5539
TO M.C.R. 291 PBY-5A 28P5125 1
PBY-5B 28P5060 1
B24D 32P1142 4
B24C 32P1142 4
PBY-5 28P5060 1
C.A.C. # NU 45-60 ELASTIC STOP NUT # 79 HAIS-02
28P5108-6 .063 x 2 1/2 x 3 1/4 C.M. ST'L. AN-QQ-S-686 COND. A-1
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
NAVY NORMALIZE -6 "C"
NAME BRACKET (LEFT HAND) PROP. ANTI-ICER LINE
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
B 28P5108



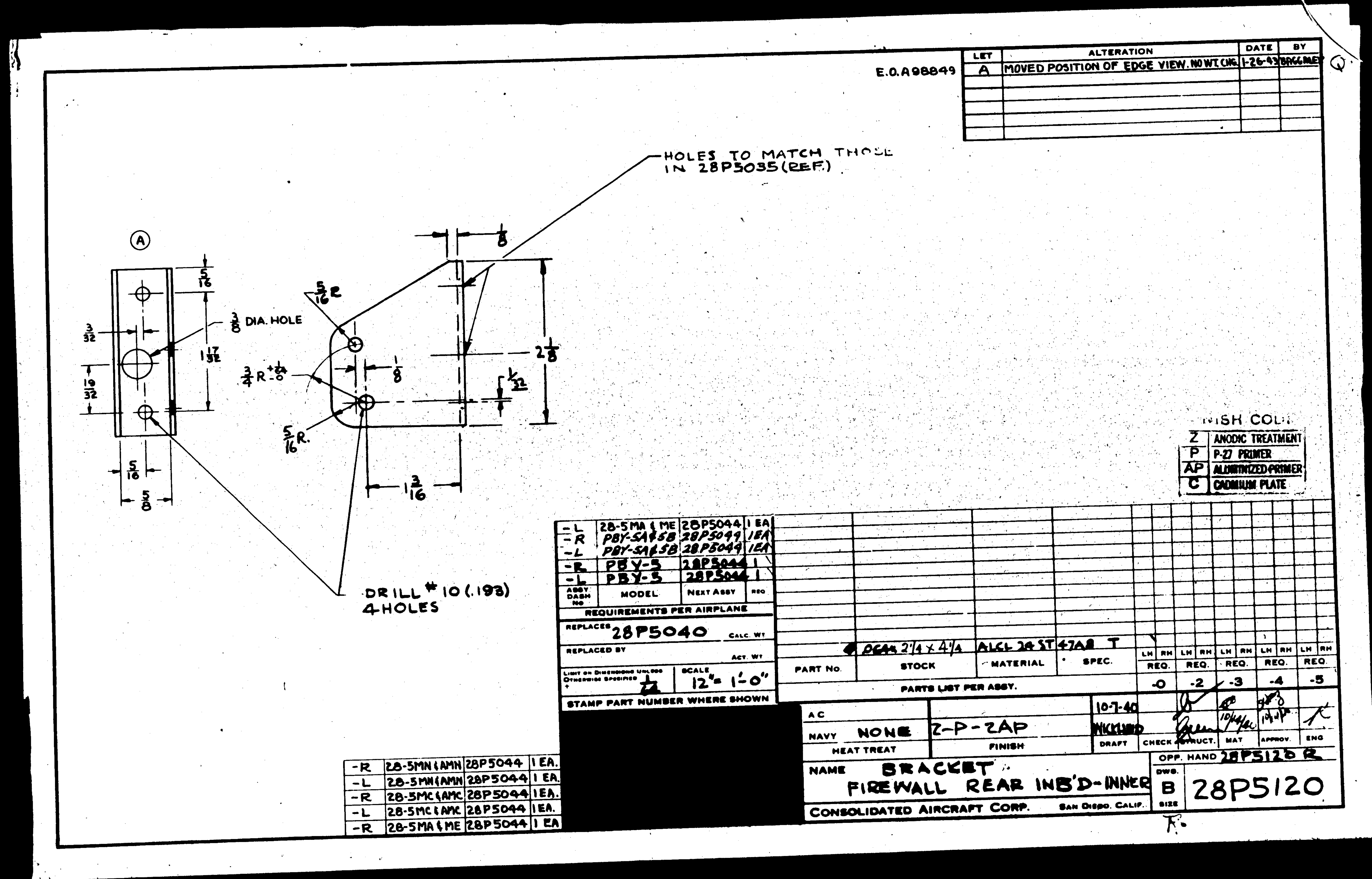
LET
ALTERATION
DATE
BY
#10 (.193) HOLES 4 PL'S.
BREAK SHARP CORNER
9/16
7/16
1/4
3 7/8
2 1/8
1 7/16 R +1/64 -0
1 1/16
1/8 R
1/4
5/16
1 9/32
1 1/4
3 1/4
5/8
1/8 R
25/64
NOTE - 4 HOLES SHOWN TO MATCH HOLES ON 28P5121 (REF.)
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
#10 (.193) 3 HOLES TO MATCH HOLES IN 28P5038 (REF.)
C77713
C88476
C70996
-L PBY-5A 28P5044 1
-R PBY-5A&B 28P5044 1EA
-L PBY-5A&B 28P5044 1EA
R PBY-5 28P5044 1
L PBY-5 28P5044 1
ASSY DASH No
MODEL
NEXT ASSY.
REQ
REQUIREMENTS PER AIRPLANE
REPLACES 28P5043
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.072 x 4 x 5
ALC. 24ST
47A8 T
PART No.
STOCK
MATERIAL
SPEC.
LH RH
REQ.
-0 -2 -3 -4 -5
PARTS LIST PER ASSY.
AC
NAVY NONE
HEAT TREAT
Z-P-ZAP
FINISH
9-26-40
WICKLUND
DRAFT
CHECK
STRUCT.
MAT
APPROV.
ENG.
OPP. HAND 28P5115 R
NAME BRACKET - FLAP CONTROL FIREWALL - FWD. INBD. UPPER
DWG. SIZE B
28P5115
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
R



E.O. 29100
LET | ALTERATION | DATE | BY
A | CHG DIMS. 27/32 WAS 31/32, 1 1/4 WAS 1 3/4. ADD 3/8 R. & DIMS. 3/8, 7/32 | | LATIMER
3/8
3/8 R
3/4 +1/64 -0 TRUE
1/4
15/32
3/32
3/32
3/8 DIA HOLE
2 1/8
1 17/32
27/32
3/8 R
7/32
1 1/4
5/16
5/8
HOLES TO MATCH THOSE IN 28P5035 (REF)
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
DRILL #10 (193) 4 HOLES
85°
1/16 R
-R PBY-5A&B 28P5044 1EA
-L PBY-5A&B 28P5044 1EA
-R PBY-5 28P5044 1
-L PBY-5 28P5049 1
ASSY DASH NO
MODEL
NEXT ASSY
REQ
REQUIREMENTS PER AIRPLANE
REPLACES 28P5040
CALC WT
REPLACED BY
ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.064 × 2 7/8 × 6
ALCL 24 ST 47A8
T
PART NO.
STOCK
MATERIAL
SPEC.
LH RH REQ. -0
LH RH REQ. -2
LH RH REQ. -3
LH RH REQ. -4
LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY NONE
HEAT TREAT
Z-P-ZAP
FINISH
10-7-40
MACKLAND
DRAFT
CHECK
STRUCT.
MAT.
APPROV
ENG.
OPP. HAND 28P5116 R
NAME BRACKET FIREWALL REAR INB'D.-OUTER
DWG. B SIZE
28P5116
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.



LET
ALTERATION
DATE
BY
E.O.A91093 E 442 LBS. WAS 250 LBS IN NOTE NO WT CNG
A LENGTHS OF CABLES ADDED TO TABLE
B LENGTH OF "A" CHANGED TO 2'9" ON -6 (WAS 2'8"). ALSO DIM. CHG. ONLY ON
C CREATED SUB ASSEM -8 -9
-9 SUB ASSY
Q6342-3R TERMINAL
AN155-8S TURNBUCKLE
AC995C40-10 LOCKWIRE
Q6342-3L TERMINAL
PART NO A
28P5118-11 2'7½
PART NO A B
28P5118 2'9" 2'1⅜
-6 -7
AN316-4R NUT
AN486-4 CLEVIS
B
-7 FINISH - PARALKETONE
Q6401-3 DISCONNECTOR ASSY.
AN 486-4 CLEVIS
AN 316 4R NUT
-8 SUB ASSY
-6 FINISH PARALKETONE
A
NOTE
CONT 884164 77113
CONT 70496
-2 PBY-5A 28P5005 2
PBY-5B 28P5005 2
28-5 ALL 2
PBY 5.5A 28P5005 2
ASSY DASH NO MODEL NEXT ASSY REQ
REQUIREMENTS PER AIRPLANE
REPLACES
REPLACED BY
CALC WT
ACT WT
SCALE 1/8 12" 1' 0"
STAMP PART NUMBER WHERE SHOWN
28P5118-11
Q6342-3R
Q6342-3L
Q6401-3
-7
-6
STEEL CABLE 22C6A
22C6A
22C6A
SUB ASSEMBLY
-10
AN486-4
AN155-8S
AC995 C40-10
AN316-4R
-9 SUB ASSEMBLY
-8 SUB ASSEMBLY
PART NO
STOCK
MATERIAL
SPEC
LH RH REQ
-0 -2 -3 -4 -5
PARTS LIST PER ASSY
D CREAT'D -10 SUB ASSY. ADD'D "A" NOTE CREATED -2 ASSEM IDEN TO -C ASSEM. EXCEPT THAT -8 REPLACES -10 ON PBY-5A ONLY NO WT CHG.
LET
ALTERATION
DATE BY
ENG. FILE
AC
NAVY NONE
HEAT TREAT
FINISH
DRAFT
CHECK
STRESS
APPROV
ENG
NAME CABLE ASSY.- ENGINE CONTROLS - COWL FLAP (INTERCONN)
OPP HAND
DWG
B 28P5118
CONSOLIDATED AIRCRAFT CORP SAN DIEGO CALIF



LET	ALTERATION	DATE	BY
A	MOVED POSITION OF EDGE VIEW. NO WT. CHG.	1-26-43	BRGGMEY

ASSY. DASH No	MODEL	NEXT ASSY	REQ
-L	28-5MA & ME	28P5044	1 EA
-R	PBY-5A & 5B	28P5044	1EA
-L	PBY-5A & 5B	28P5044	1EA
-R	PBY-5	28P5044	1
-L	PBY-5	28P5044	1

REQUIREMENTS PER AIRPLANE

-R	28-5MN & AMN	28P5044	1 EA.
-L	28-5MN & AMN	28P5044	1 EA.
-R	28-5MC & AMC	28P5044	1 EA.
-L	28-5MC & AMC	28P5044	1 EA.
-R	28-5MA & ME	28P5044	1 EA

REPLACES 28P5040 CALC. WT

REPLACED BY ACT. WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64 SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
	.064 2 1/4 x 4 1/4	ALCL 24 ST 47A8	T					

PARTS LIST PER ASSY.

AC

NAVY NONE HEAT TREAT

Z-P-ZAP FINISH

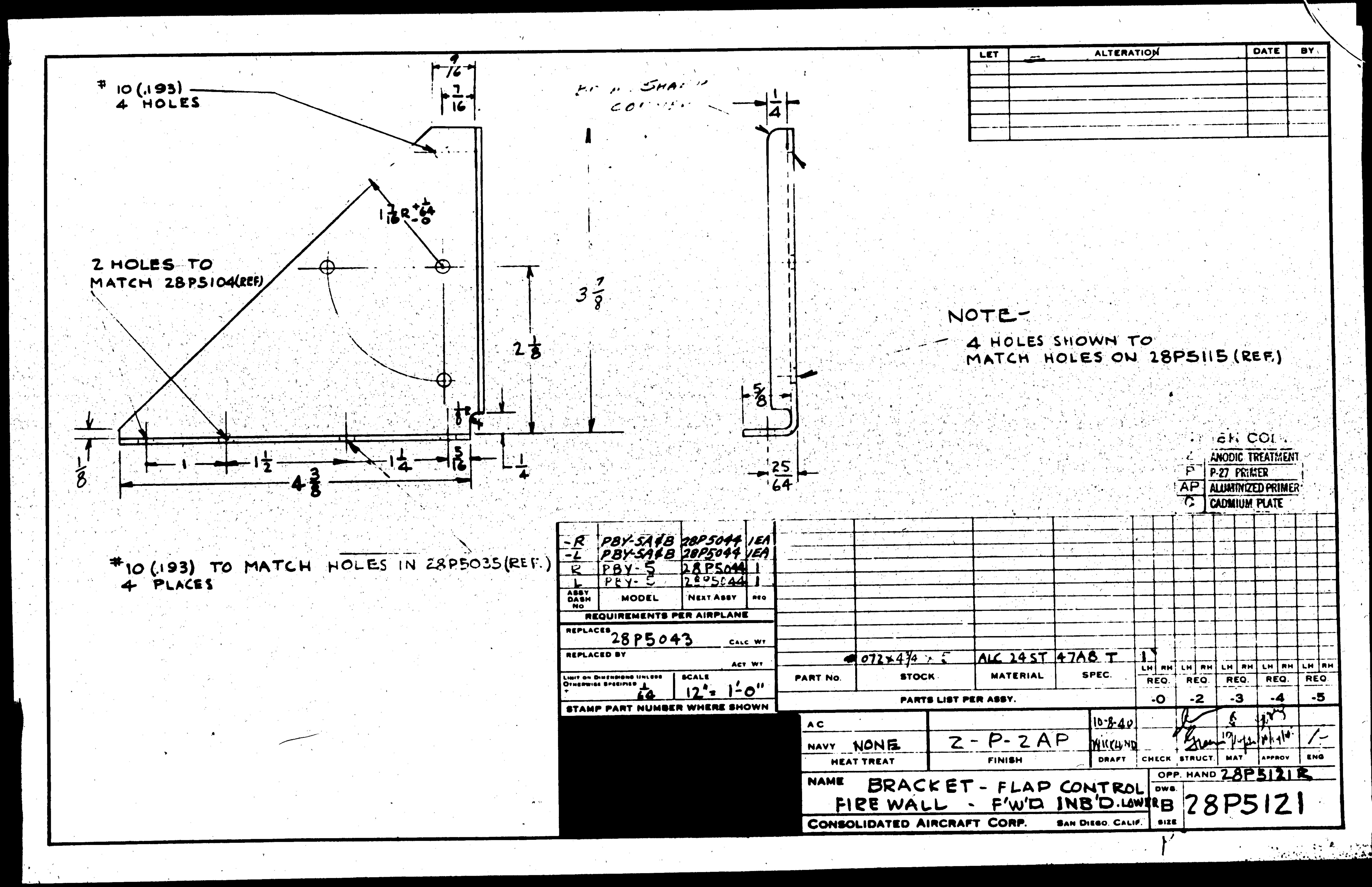
10-7-40 DRAFT WKM... CHECK STRUCT. MAT 10/14/40 APPROV. 10/14/40 ENG

OPP. HAND 28P5120 R

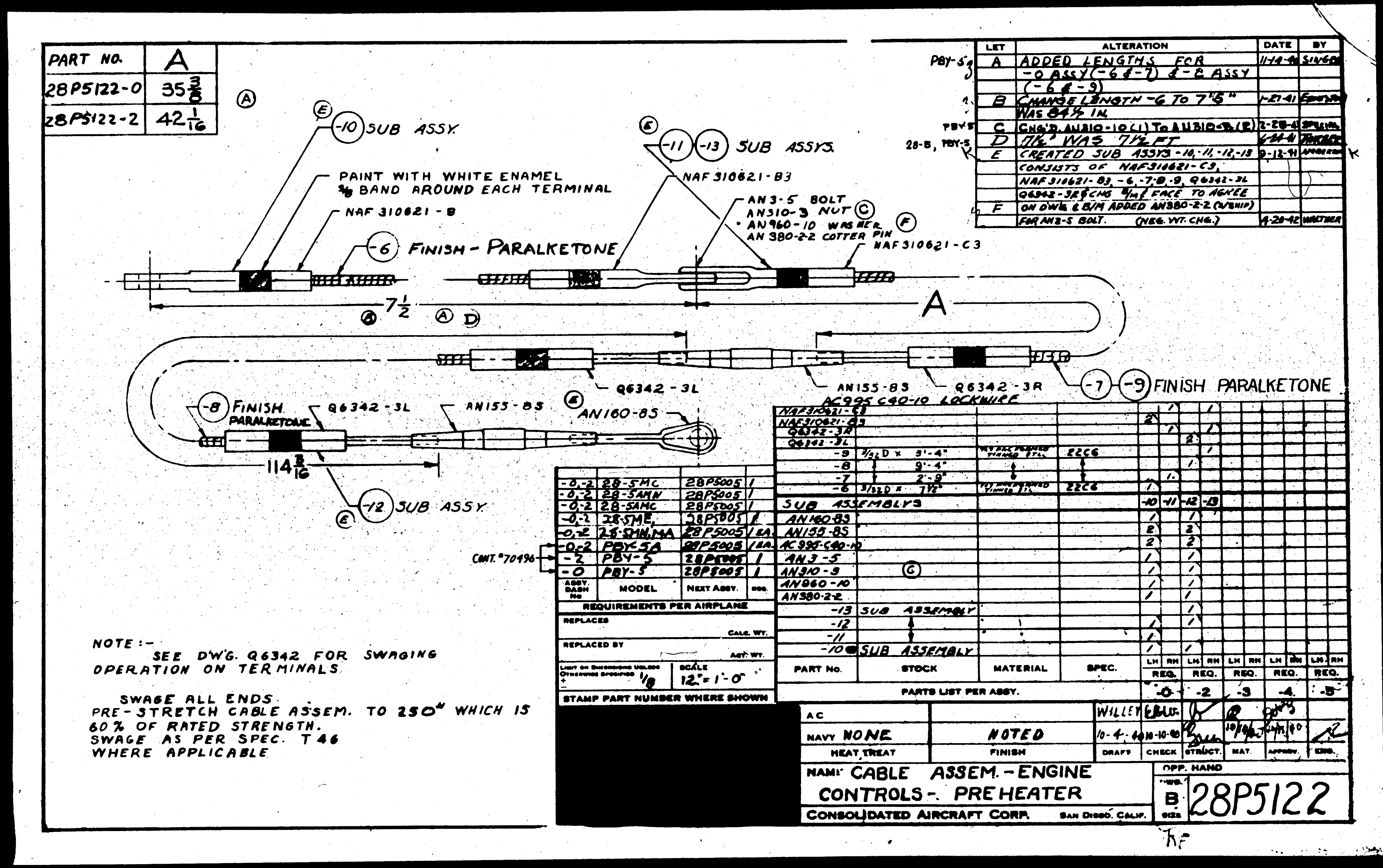
NAME BRACKET FIREWALL REAR INB'D-INNER

DWG. SIZE B 28P5120

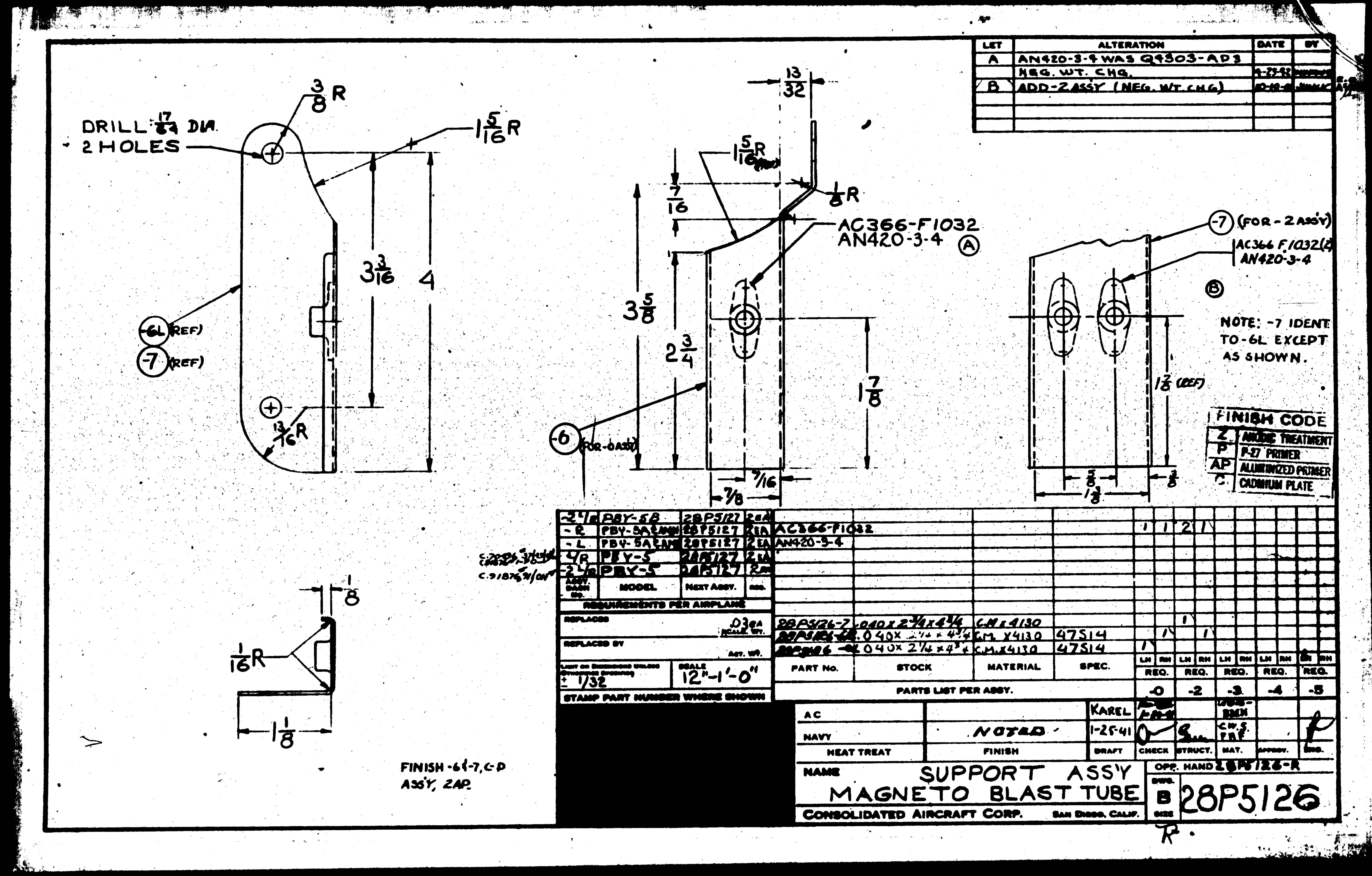
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



10 (.193)
4 HOLES
9/16
7/16
1/4
1 7/16 R +1/64 -0
2 HOLES TO
MATCH 28P5104 (REF.)
3 7/8
2 1/8
NOTE -
4 HOLES SHOWN TO
MATCH HOLES ON 28P5115 (REF.)
5/8
1/8
1
1 1/2
1 1/4
5/16
1/4
4 3/8
25/64
10 (.193) TO MATCH HOLES IN 28P5035 (REF.)
4 PLACES
LET
ALTERATION
DATE
BY
A ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
-R PBY-5A & B 28P5044 1EA
-L PBY-5A & B 28P5044 1EA
R PBY-5 28P5044 1
L PBY-5 28P5044 1
ASSY DASH NO
MODEL
NEXT ASSY
REQ
REQUIREMENTS PER AIRPLANE
REPLACES 28P5043
CALC WT
REPLACED BY
ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.072 x 4 3/4 x 5
ALC 24ST
47A8 T
1
PART NO.
STOCK
MATERIAL
SPEC.
LH RH REQ. -0
LH RH REQ. -2
LH RH REQ. -3
LH RH REQ. -4
LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY NONE
HEAT TREAT
Z-P-2AP
FINISH
10-8-40
DRAFT
CHECK
STRUCT.
MAT
APPROV
ENG
OPP. HAND 28P5121R
NAME BRACKET - FLAP CONTROL
FIRE WALL - F'W'D INB'D. LOWER
DWG. B 28P5121
SIZE
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.



PART NO. | A
28P5122-0 | 35 3/8
28P5122-2 | 42 1/16
-10 SUB ASSY.
-11 -13 SUB ASSYS.
PAINT WITH WHITE ENAMEL 3/8 BAND AROUND EACH TERMINAL
NAF 310621 - B
NAF 310621 - B3
AN 3-5 BOLT
AN310-3 NUT
AN960-10 WASHER
AN 380-2-2 COTTER PIN
NAF 310621 - C3
-6 FINISH - PARALKETONE
7 1/2
A
Q6342 - 3L
AN155 - 8S
Q6342 - 3R
-7 -9 FINISH PARALKETONE
AC995 C40-10 LOCKWIRE
-8 FINISH PARALKETONE
AN160-8S
114 3/16
-12 SUB ASSY
LET | ALTERATION | DATE | BY
A | ADDED LENGTHS FOR -0 ASSY (-6 & -7) & -2 ASSY (-6 & -9)
B | CHANGE LENGTH -6 TO 7'5" WAS 84 1/2 IN. | 1-21-41
C | CHG'D. AN310-10 (1) TO AN310-3 (2) | 2-28-41
D | 11 1/2" WAS 7 1/2 FT
E | CREATED SUB ASSYS -10, -11, -12, -13 CONSISTS OF NAF310621-C3, NAF310621-B3, -6, -7, -8, -9, Q6342-3L Q6342-3R & CHG 4/IN FACE TO AGREE | 9-12-41
F | ON DWG & B/M ADDED AN380-2-2 (2/SHIP) FOR AN3-5 BOLT. (NEG. WT. CHG.) | 4-29-42 | WALTHER
CONT. 70496
REQUIREMENTS PER AIRPLANE
ASSY DASH NO | MODEL | NEXT ASSY. | REQ.
PARTS LIST PER ASSY.
PART NO. | STOCK | MATERIAL | SPEC.
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
NOTE:- SEE DWG. Q6342 FOR SWAGING OPERATION ON TERMINALS
SWAGE ALL ENDS.
PRE-STRETCH CABLE ASSEM. TO 250# WHICH IS 60% OF RATED STRENGTH.
SWAGE AS PER SPEC. T46 WHERE APPLICABLE
NAVY NONE
HEAT TREAT
NOTED
FINISH
DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
NAME: CABLE ASSEM. - ENGINE CONTROLS - PREHEATER
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP. HAND
B 28P5122



LET	ALTERATION	DATE	BY
A	AN420-3-4 WAS Q4303-AD3 NEG. WT. CHG.	4-29-42	
B	ADD -2 ASSY (NEG. WT. CHG.)	10-10-41	

ASSY DASH NO.	MODEL	NEXT ASSY.	REQ.
-2 L/R	PBY-5B	28P5127	2 EA
-R	PBY-5A & AM	28P5127	1 EA
-L	PBY-5A & AM	28P5127	2 EA
L/R	PBY-5	28P5127	2 EA
-2 L/R	PBY-5	28P5127	2

REQUIREMENTS PER AIRPLANE

PART No.	STOCK	MATERIAL	SPEC.	-0 LH	-0 RH	-2 LH	-2 RH
AC366-F1032				1	1	2	1
AN420-3-4							
28P5126-7	.040 x 2 3/4 x 4 3/4	C.M. x 4130				1	
28P5126-6R	.040 x 2 1/4 x 4 3/4	C.M. x 4130	47514		1		1
28P5126-6L	.040 x 2 1/4 x 4 3/4	C.M. x 4130	47514	1			

PARTS LIST PER ASSY.

REPLACES — .03 EA SCALE WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12"-1'-0"
STAMP PART NUMBER WHERE SHOWN

C.20896 ... C.91876 ...

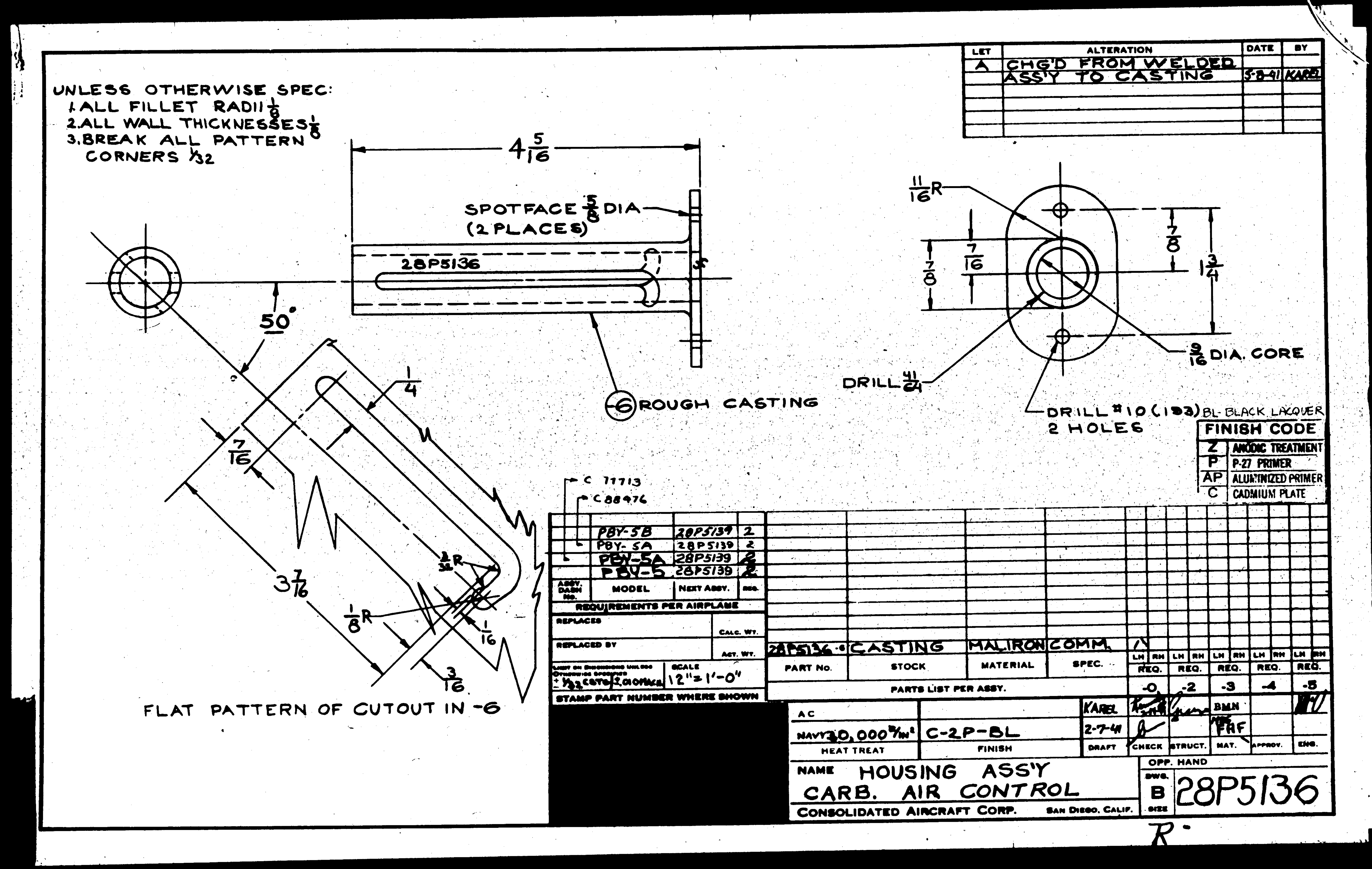
AC		KAREL				
NAVY	NOTED	1-25-41			C.W.S. PRF	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.

OPP. HAND 28P5126-R

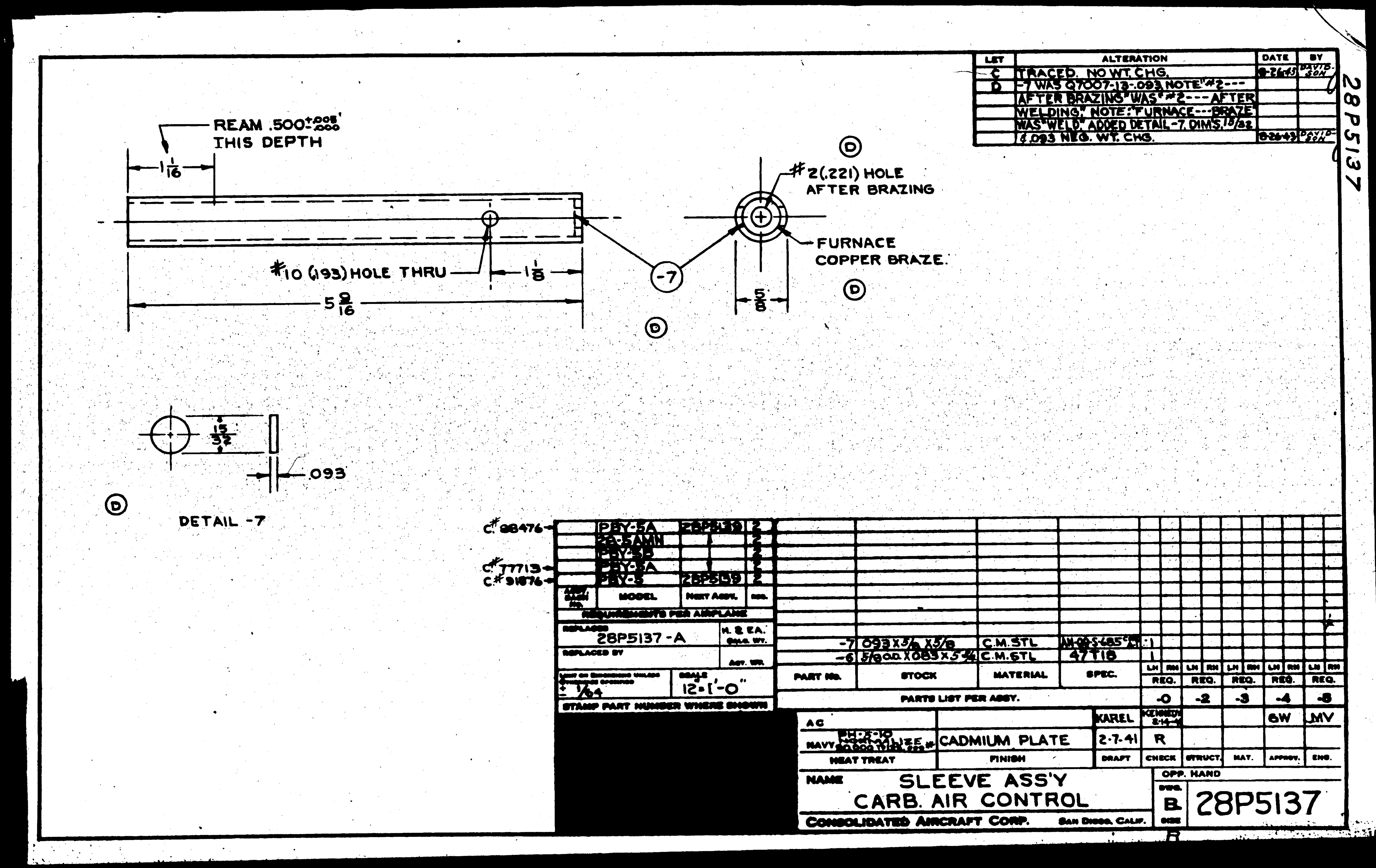
NAME: SUPPORT ASS'Y MAGNETO BLAST TUBE

DWG. SIZE B — 28P5126 R

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

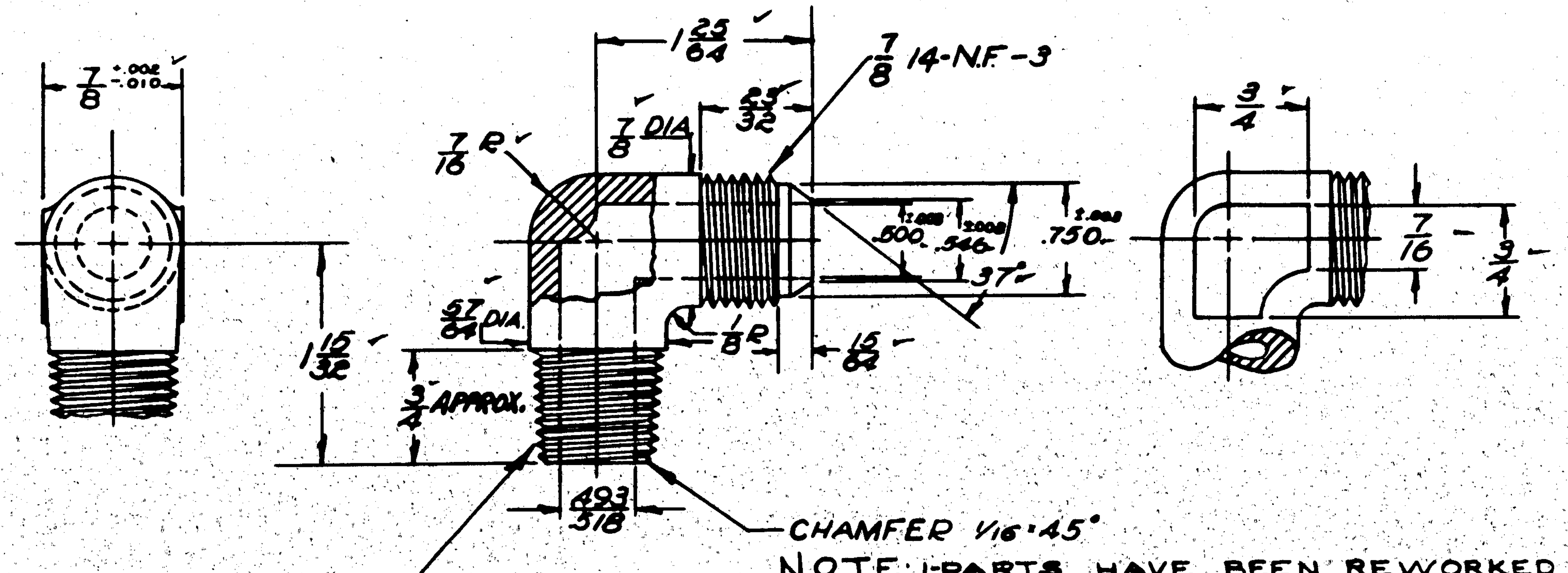


LET | ALTERATION | DATE | BY
A | CHG'D FROM WELDED ASS'Y TO CASTING | 3-8-41 | KAREL
UNLESS OTHERWISE SPEC:
1. ALL FILLET RADII 1/8
2. ALL WALL THICKNESSES 1/8
3. BREAK ALL PATTERN CORNERS 1/32
4 5/16
SPOTFACE 5/8 DIA (2 PLACES)
28P5136
50°
-6 ROUGH CASTING
11/16 R
7/8
7/16
1 3/4
9/16 DIA. CORE
DRILL 41/64
DRILL #10 (.193) 2 HOLES
BL-BLACK LACQUER
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
1/4
7/16
3 7/16
3/32 R
1/8 R
1/16
3/16
FLAT PATTERN OF CUTOUT IN -6
C 71713
C 88476
PBY-5B | 28P5139 | 2
PBY-5A | 28P5139 | 2
PBY-5A | 28P5139 | 2
PBY-5 | 28P5139 | 2
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
28P5136-6 | CASTING | MALIRON | COMM. | 1
PART No. | STOCK | MATERIAL | SPEC. | LH RH REQ. -0 | -2 | -3 | -4 | -5
PARTS LIST PER ASSY.
AC
NAVY 30,000 #/IN² | C-2P-BL
HEAT TREAT | FINISH
KAREL 2-7-41 DRAFT | CHECK | STRUCT. | MAT. BMN FRF | APPROV. | ENG.
OPP. HAND
NAME HOUSING ASS'Y CARB. AIR CONTROL
DWG. SIZE B 28P5136
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R-



LET
ALTERATION
DATE
BY
C
TRACED. NO WT. CHG.
D
-7 WAS Q7007-13-.093 NOTE "#2--- AFTER BRAZING" WAS "#2---AFTER WELDING," NOTE: "FURNACE---BRAZE" WAS "WELD" ADDED DETAIL -7, DIMS. 15/32 & .093 NEG. WT. CHG.
28P5137
REAM .500 +.005 -.000 THIS DEPTH
1 1/16
#10 (.193) HOLE THRU
1 1/8
5 9/16
#2 (.221) HOLE AFTER BRAZING
FURNACE COPPER BRAZE.
-7
5/8
D
15/32
.093
DETAIL -7
C#28476
C#77713
C#31876
PBY-5A
28-5AMN
PBY-5B
PBY-5A
PBY-5
28P5139
28P5139
2
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
28P5137-A
H. & EA.
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/64
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
-7
.093 X 5/8 X 5/8
C.M. STL
AN-QQ-S-685
1
-6
5/8 O.D. X .083 X 5 9/16
C.M. STL
47T18
1
PART NO.
STOCK
MATERIAL
SPEC.
LH
RH
REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
AC
NAVY
HEAT TREAT
CADMIUM PLATE
FINISH
KAREL
2-7-41
R
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
SW
MV
OPP. HAND
NAME
SLEEVE ASS'Y
CARB. AIR CONTROL
DWG. SIZE
B
28P5137
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.

LET	ALTERATION	DATE	BY
A	ADDED TO NOTE "OR, PART MAY BE THE SAME AS AN-822-10 EXCEPT FOR PIPE THREADS" NO WT CHG.	8-20-43	LARSEN



PURCHASE TO DWG.

NOTE: 1-PARTS HAVE BEEN REWORKED PER E.O A 4409 AND INSTALLED ON ALL SHIPS DELIVERED TO DATE.
2-THIS DWG. DOES NOT APPLY TO THE 15 AIRPLANES HAVING CURTISS ELECTRIC PROPS.

1/2 P.T. PIPE THDS. TO BE IN ACCORDANCE WITH M-262 THREAD TO OBTAIN 6 TO 7 THREAD ENGAGEMENT, AFTER TINNING.

NOTE: SAME AS NAF 213695-10NS EXCEPT FOR MATERIAL AND PIPE THREADS, OR PART MAY BE THE SAME AS AN-822-10 EXCEPT FOR PIPE THREADS. (A)

NICKEL STEEL - SPEC. 46S21 MAY BE USED UNTIL STAINLESS ST'L. IS AVAILABLE

FINISH: CADIUM PLATE, EXCEPT STAINLESS STL. TIN TH'DS.

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ
	PBY-5B	28P5000	2
	28-5AMC, AMN		2
	28-5ME, MN		2
	28-5MA, MC		2
	PBY-5 & 5A	28P5000	2

REQUIREMENTS PER AIRPLANE

REPLACES	.280 CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64	SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART NO.	STOCK	MATERIAL	SPEC.	-0 LH REQ.	-0 RH REQ.	-2 LH REQ.	-2 RH REQ.	-3 LH REQ.	-3 RH REQ.	-4 LH REQ.	-4 RH REQ.	-5 LH REQ.	-5 RH REQ.
	1 x 2 1/8 x 2	ST. STEEL	46S18 Gr. "E"										

PARTS LIST PER ASSY.

AC		MANNING					
NAVY NONE	NOTED	8/19/41		8-26-41			
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG

NAME COUPLING - 90° ELBOW

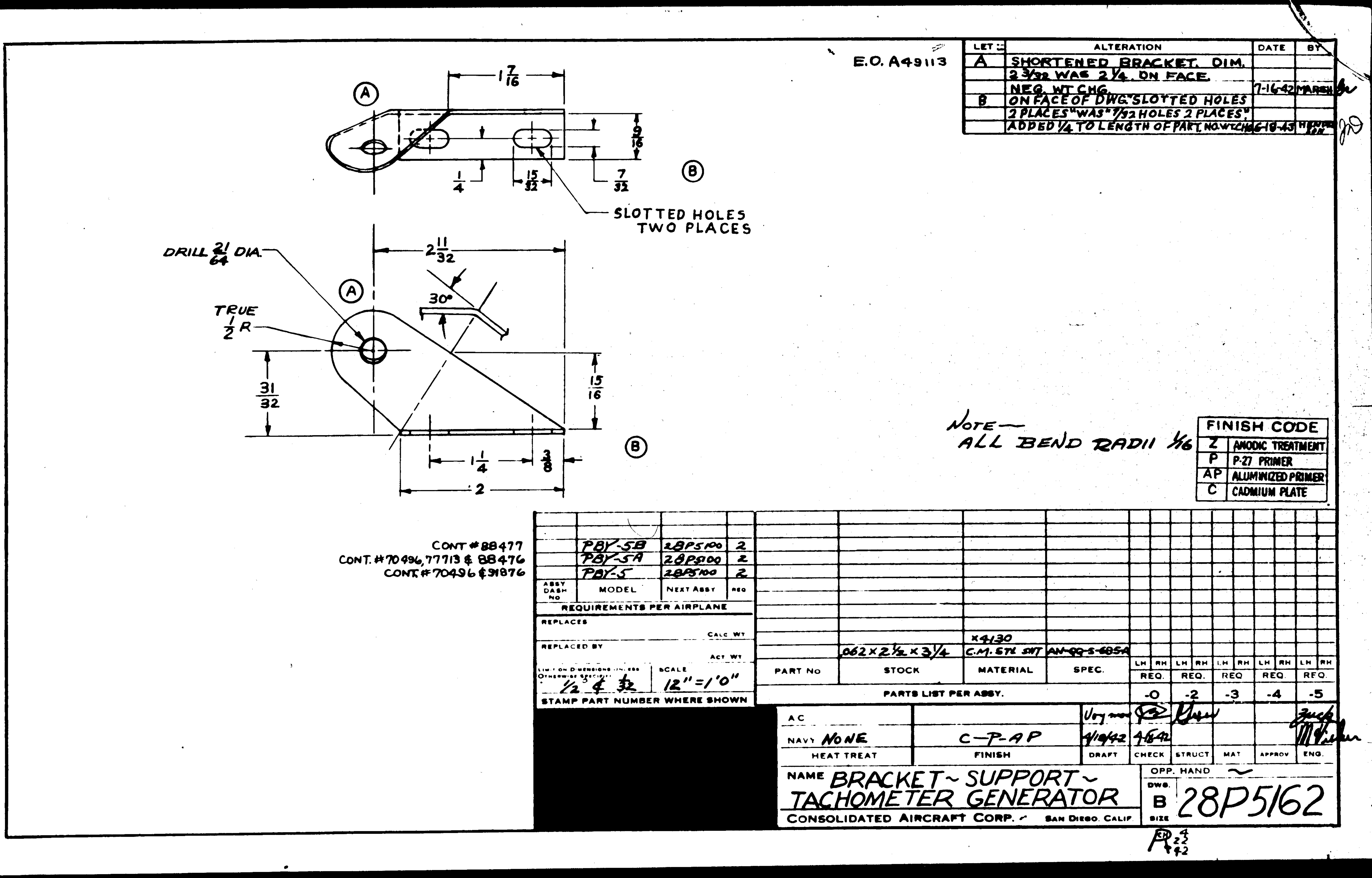
OPP. HAND

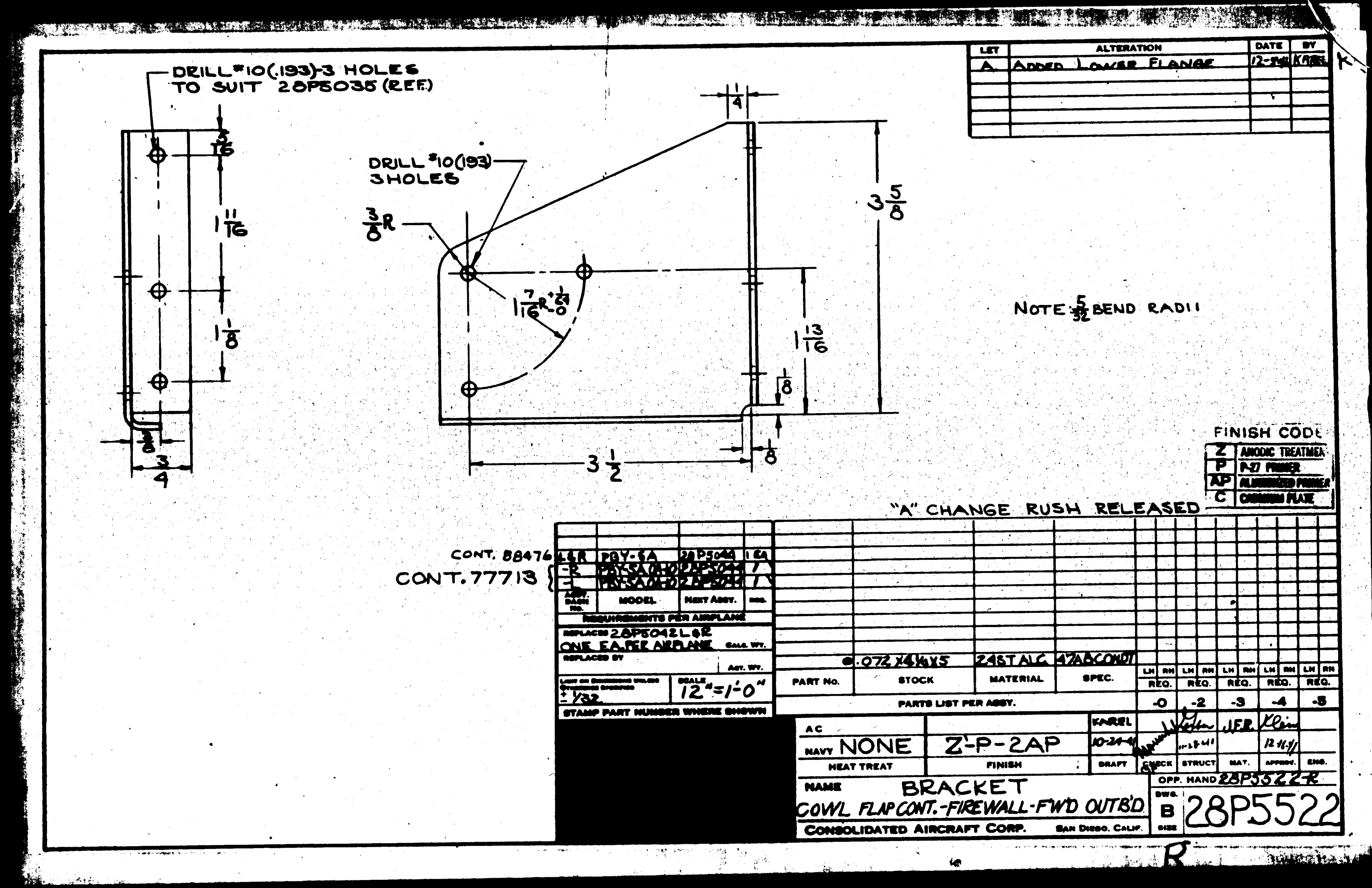
DWG. SIZE B 28P5156

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

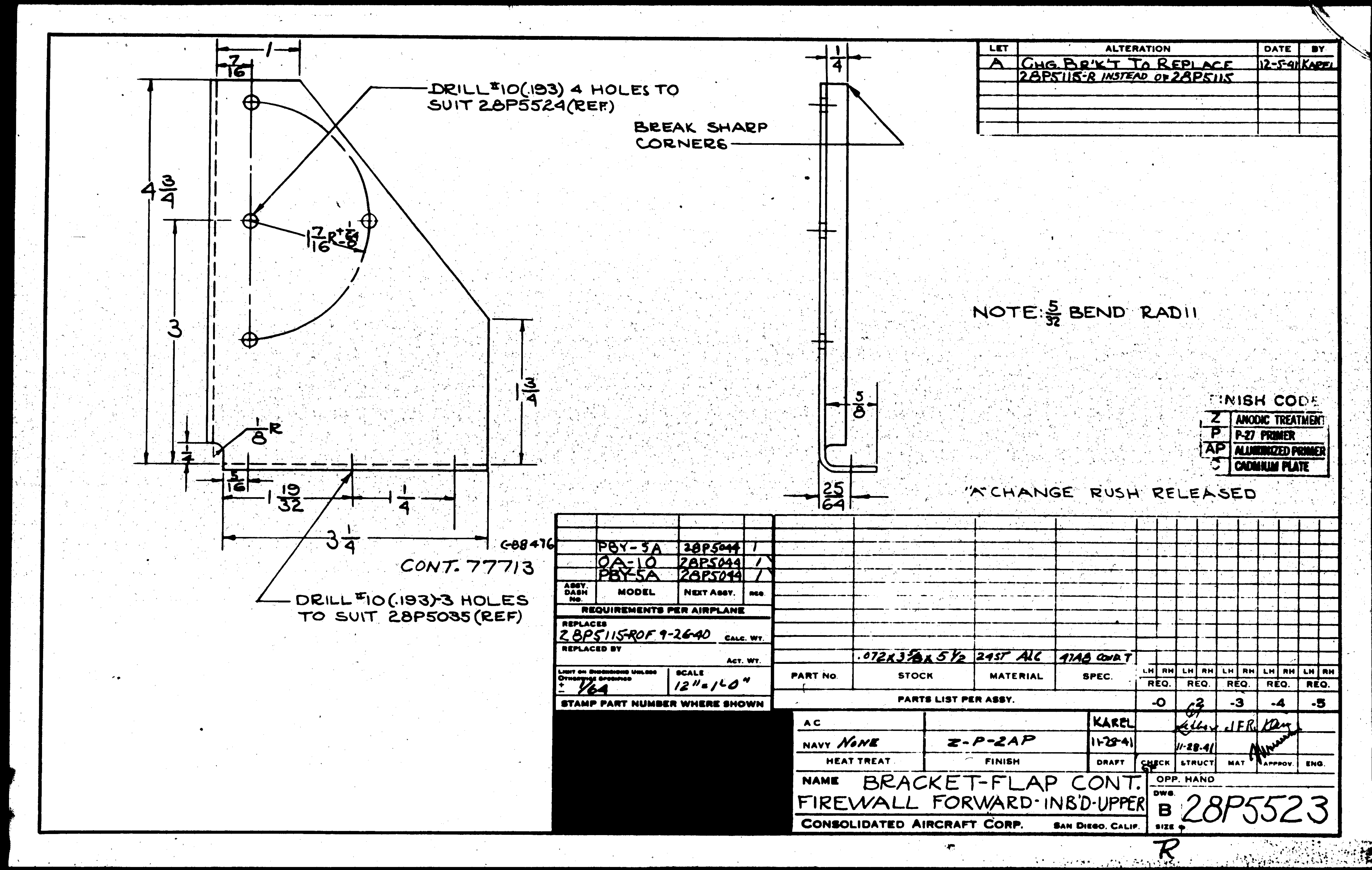
28P5156

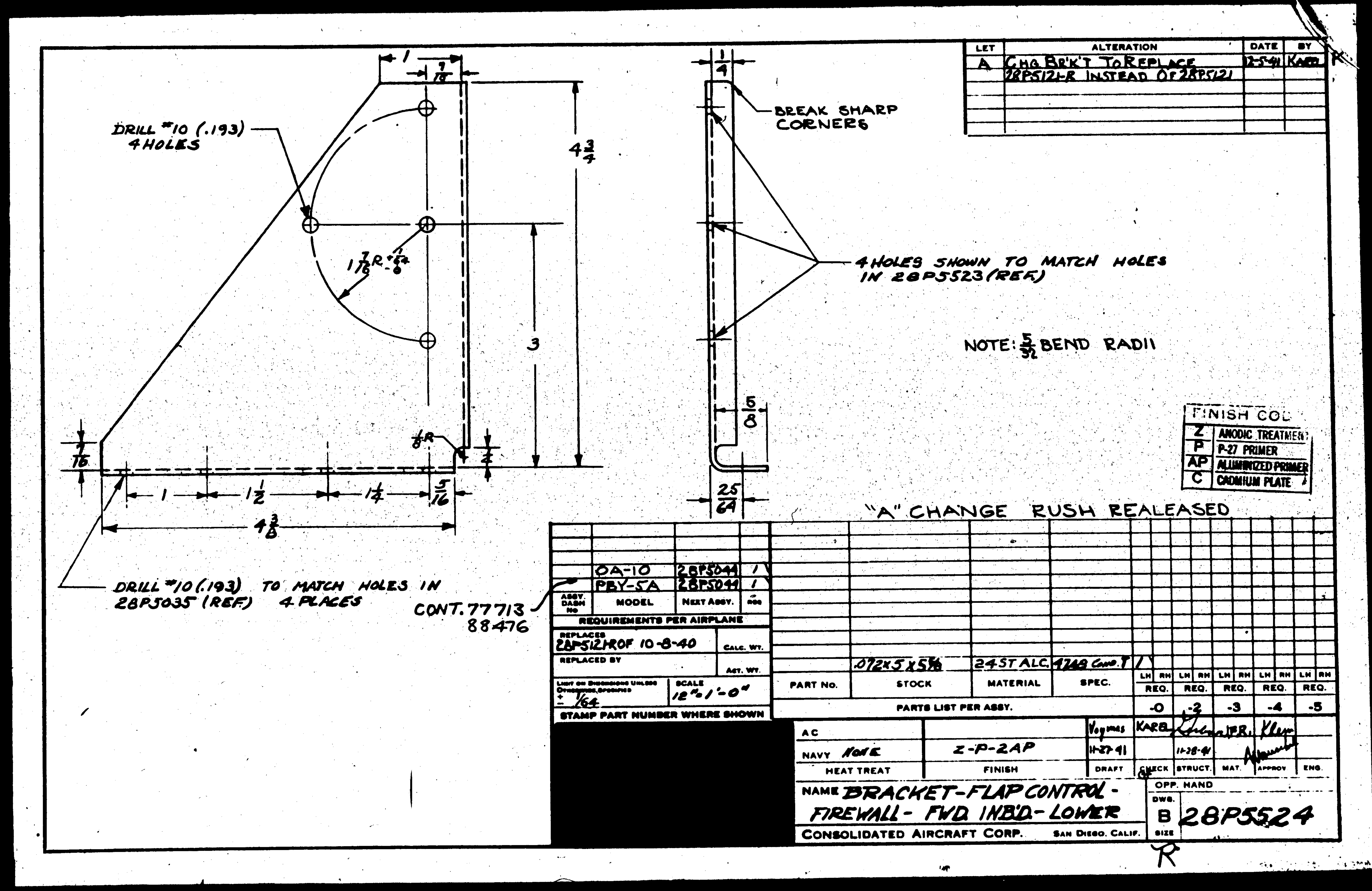
R


E.O. A49113
LET
ALTERATION
DATE
BY
A
SHORTENED BRACKET. DIM. 2 3/32 WAS 2 1/4. ON FACE. NEG. WT CHG.
7-16-42
B
ON FACE OF DWG."SLOTTED HOLES 2 PLACES" "WAS" 7/32 HOLES 2 PLACES". ADDED 1/4 TO LENGTH OF PART. NO WT CHG.
A
1 7/16
9/16
1/4
15/32
7/32
B
SLOTTED HOLES TWO PLACES
DRILL 21/64 DIA.
2 11/32
30°
TRUE 1/2 R
31/32
15/16
1 1/4
3/8
2
NOTE— ALL BEND RADII 1/16
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
CONT #88477
CONT. #70496, 77713 & 88476
CONT. #70496 & 91876
PBY-5B 28P5100 2
PBY-5A 28P5100 2
PBY-5 28P5100 2
ASSY DASH NO
MODEL
NEXT ASSY
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
CALC WT
REPLACED BY
ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 1/2° & 1/32
SCALE 12" = 1'0"
STAMP PART NUMBER WHERE SHOWN
.062 x 2 1/2 x 3 1/4
X4130 C.M. STL SHT
AN-QQ-S-685A
PART No
STOCK
MATERIAL
SPEC.
LH RH REQ. -0
LH RH REQ. -2
LH RH REQ -3
LH RH REQ. -4
LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY NONE
HEAT TREAT
C-P-AP
FINISH
4/10/42
4/6/42
DRAFT
CHECK
STRUCT
MAT
APPROV
ENG.
NAME BRACKET ~ SUPPORT ~ TACHOMETER GENERATOR
OPP. HAND ~
DWG. SIZE B
28P5162
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



LET | ALTERATION | DATE | BY
A. ADDED LOWER FLANGE 12-9-41 KAREL
DRILL #10(.193)-3 HOLES TO SUIT 28P5035 (REF.)
DRILL #10(193) 3 HOLES
3/8 R
1 7/16 R +1/64 -0
3 5/8
1 13/16
1 11/16
1 1/8
3/16
1/4
1/8
3/8
3/4
3 1/2
NOTE: 5/32 BEND RADII
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
"A" CHANGE RUSH RELEASED
CONT. 88476
CONT. 77713
L&R PBY-5A 28P5044 1 EA
-R PBY-5A
-L PBY-5A
ASSY. DASH No. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES 28P5042L&R
ONE EA. PER AIRPLANE
CALC. WT.
REPLACED BY
ACT. WT.
SCALE 12"=1'-0"
± 1/32
STAMP PART NUMBER WHERE SHOWN
.072 X 4 1/4 X 5 | 24ST ALC | 47A8 COND T
PART No. | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 -2 -3 -4 -5
PARTS LIST PER ASSY.
AC
NAVY NONE
HEAT TREAT
Z-P-2AP
FINISH
KAREL 10-24-41
DRAFT
CHECK
STRUCT
MAT.
APPROV.
ENG.
JFR
NAME BRACKET
COWL FLAP CONT.-FIREWALL-FWD OUTB'D
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP. HAND 28P5522-R
DWG. SIZE B
28P5522
R

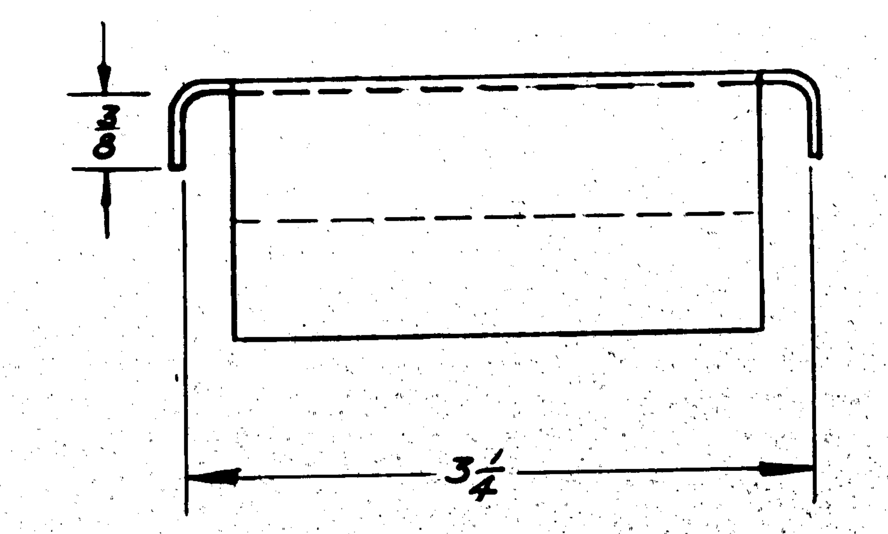

LET | ALTERATION | DATE | BY
A | CHG. BR'K'T TO REPLACE 28P5115-R INSTEAD OF 28P5115 | 12-5-41 | KAREL
DRILL #10(.193) 4 HOLES TO SUIT 28P5524(REF.)
BREAK SHARP CORNERS
DRILL #10(.193)-3 HOLES TO SUIT 28P5035(REF)
NOTE: 5/32 BEND RADII
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
"A" CHANGE RUSH RELEASED
CONT. 77713
C-88476
PBY-5A 28P5044 1
OA-10 28P5044 1
PBY-5A 28P5044 1
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES 28P5115-R OF 9-26-40
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.072 x 3 5/8 x 5 1/2 | 24ST ALC | 47A8 COND. T
PART NO. | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 -2 -3 -4 -5
PARTS LIST PER ASSY.
AC
NAVY NONE
HEAT TREAT
Z-P-2AP
FINISH
KAREL 11-28-41 DRAFT
CHECK
11-28-41 STRUCT
MAT
APPROV.
ENG.
OPP. HAND
NAME BRACKET-FLAP CONT. FIREWALL FORWARD-INB'D-UPPER
DWG. B 28P5523
SIZE
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R

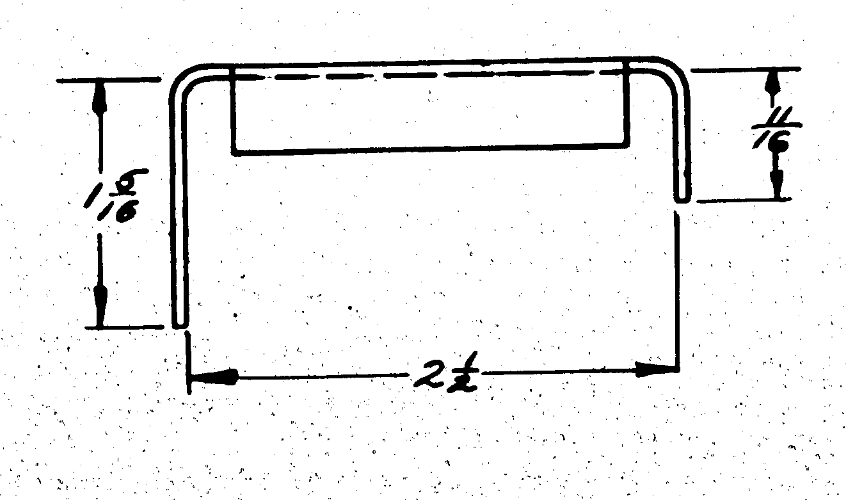


DRILL #10 (.193) 4 HOLES
BREAK SHARP CORNERS
4 HOLES SHOWN TO MATCH HOLES IN 28P5523 (REF)
NOTE: 5/32 BEND RADII
DRILL #10 (.193) TO MATCH HOLES IN 28P5035 (REF) 4 PLACES
CONT. 77713 88476
"A" CHANGE RUSH REALEASED
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
LET | ALTERATION | DATE | BY
A | CHG BR'K'T TO REPLACE 28P5121-R INSTEAD OF 28P5121 | 12-5-41 | KARB
OA-10 28P5044 1
PBY-5A 28P5044 1
ASSY. DASH No | MODEL | NEXT ASSY.
REQUIREMENTS PER AIRPLANE
REPLACES 28P5121-R OF 10-8-40
CALC. WT.
REPLACED BY
ACT. WT.
SCALE 12"=1'-0"
± 1/64
STAMP PART NUMBER WHERE SHOWN
.072 X 5 X 5 1/16 | 24ST ALC. | 4748 Cond. T
PART No. | STOCK | MATERIAL | SPEC.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
AC
NAVY NONE
HEAT TREAT
Z-P-2AP
FINISH
11-27-41 KARB 11-28-41
DRAFT CHECK STRUCT. MAT. APPROV ENG.
NAME BRACKET-FLAP CONTROL-FIREWALL-FWD. INB'D-LOWER
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP. HAND
DWG. SIZE B 28P5524

LET	ALTERATION	DATE	BY

28P5538





ALL BEND & RELIEF RADII 1/8

MCR 291-1 $ ON

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28P5536	1

REQUIREMENTS PER AIRPLANE

REPLACES — .12# CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART NO.	STOCK	MATERIAL	SPEC.	-0 REQ. LH/RH	-2 REQ. LH/RH	-3 REQ. LH/RH	-4 REQ. LH/RH	-5 REQ. LH/RH
	.064 x 4 1/8 x 4 5/8	24ST ALC.	QQA-362-T					

PARTS LIST PER ASSY.

AC		SHAW					
NAVY NONE	Z-P	8-2-43	9-9-43				
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

OPP. HAND NONE

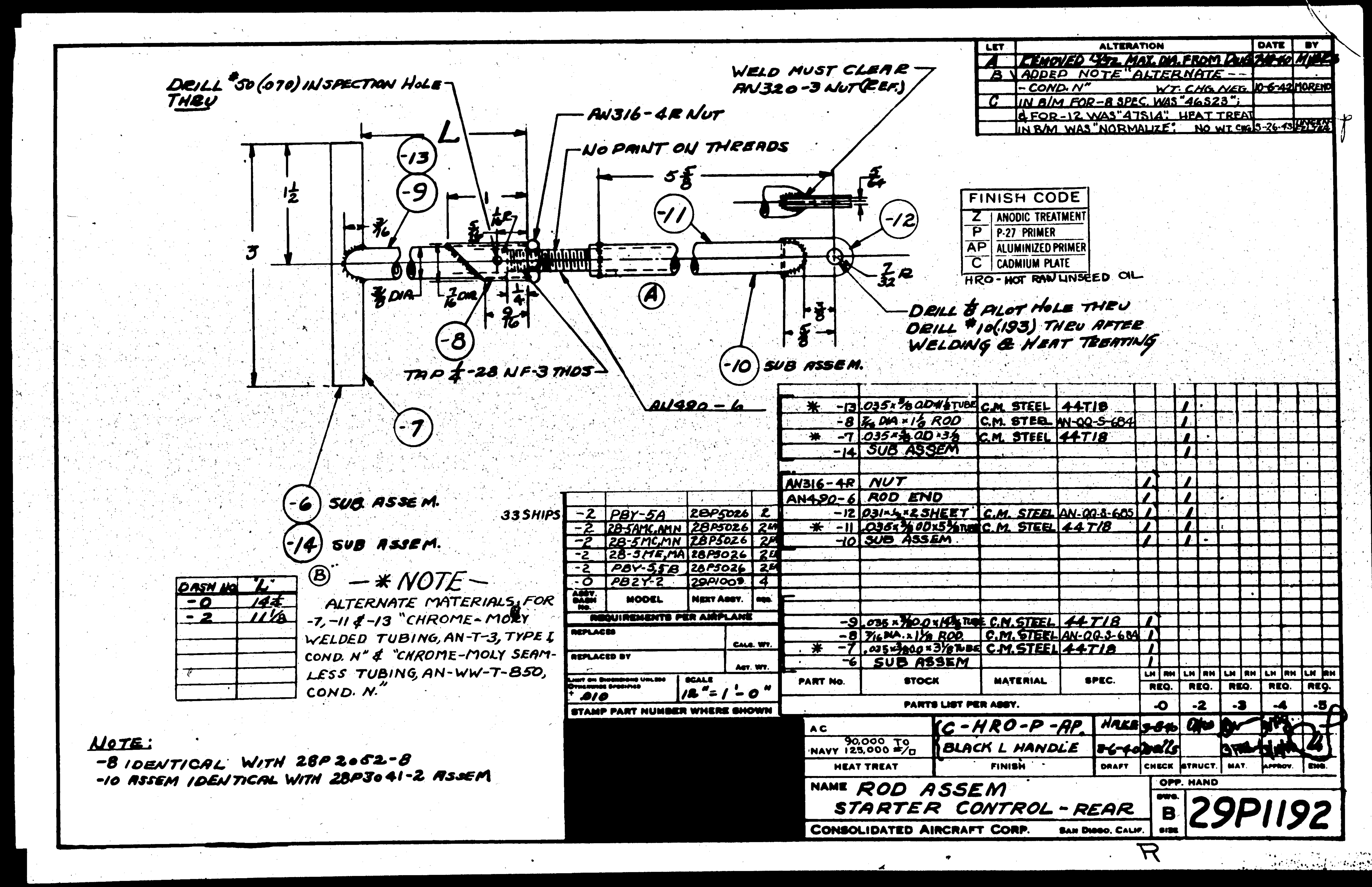
NAME BRACKET-ANTI ICING PUMP

DWG. SIZE B — 28P5538

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

APPROVED FOR TOOLING BY C. S. Wills 9-4-43

R



LET	ALTERATION	DATE	BY
A	REMOVED 45/32 MAX. DIA. FROM DWG	3-12-40	M
B	ADDED NOTE "ALTERNATE --		
	- COND. N" WT. CHG. NEG.	10-6-42	MORENO
C	IN B/M FOR -8 SPEC. WAS "46S23";		
	& FOR -12 WAS "47S14". HEAT TREAT		
	IN B/M WAS "NORMALIZE". NO WT. CHG.	5-26-43	

DASH NO.	"L"
-0	14 1/2
-2	11 1/8

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
-2	PBY-5A	28P5026	2
-2	28-5AMC, AMN	28P5026	2
-2	28-5MC, MN	28P5026	2
-2	28-5ME, MA	28P5026	2
-2	PBY-5, 5B	28P5026	2
-0	PB2Y-2	29P1009	4

REQUIREMENTS PER AIRPLANE

REPLACES	CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010	SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 LH	-0 RH	-2 LH	-2 RH	-3 LH	-3 RH	-4 LH	-4 RH	-5 LH	-5 RH
* -13	.035 x 3/8 OD x 14 1/2 TUBE	C.M. STEEL	44T18			1							
-8	7/16 DIA x 1 1/8 ROD	C.M. STEEL	AN-QQ-S-684			1							
* -7	.035 x 3/8 OD x 3 1/8	C.M. STEEL	44T18			1							
-14	SUB ASSEM					1							
AN316-4R	NUT			1		1							
AN490-6	ROD END			1		1							
-12	.031 x 1/2 x 2 SHEET	C.M. STEEL	AN-QQ-S-685	1		1							
* -11	.035 x 3/8 OD x 5 1/8 TUBE	C.M. STEEL	44T18	1		1							
-10	SUB ASSEM			1		1							
-9	.035 x 3/8 OD x 14 1/2 TUBE	C.M. STEEL	44T18	1									
-8	7/16 DIA. x 1 1/8 ROD	C.M. STEEL	AN-QQ-S-684	1									
* -7	.035 x 3/8 OD x 3 1/8 TUBE	C.M. STEEL	44T18	1									
-6	SUB ASSEM			1									

PARTS LIST PER ASSY.

HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.
AC / NAVY 90,000 TO 125,000 #/□	C-HRO-P-AP, BLACK L HANDLE	HAKE 3-6-40	3-6-40				

NAME ROD ASSEM STARTER CONTROL - REAR

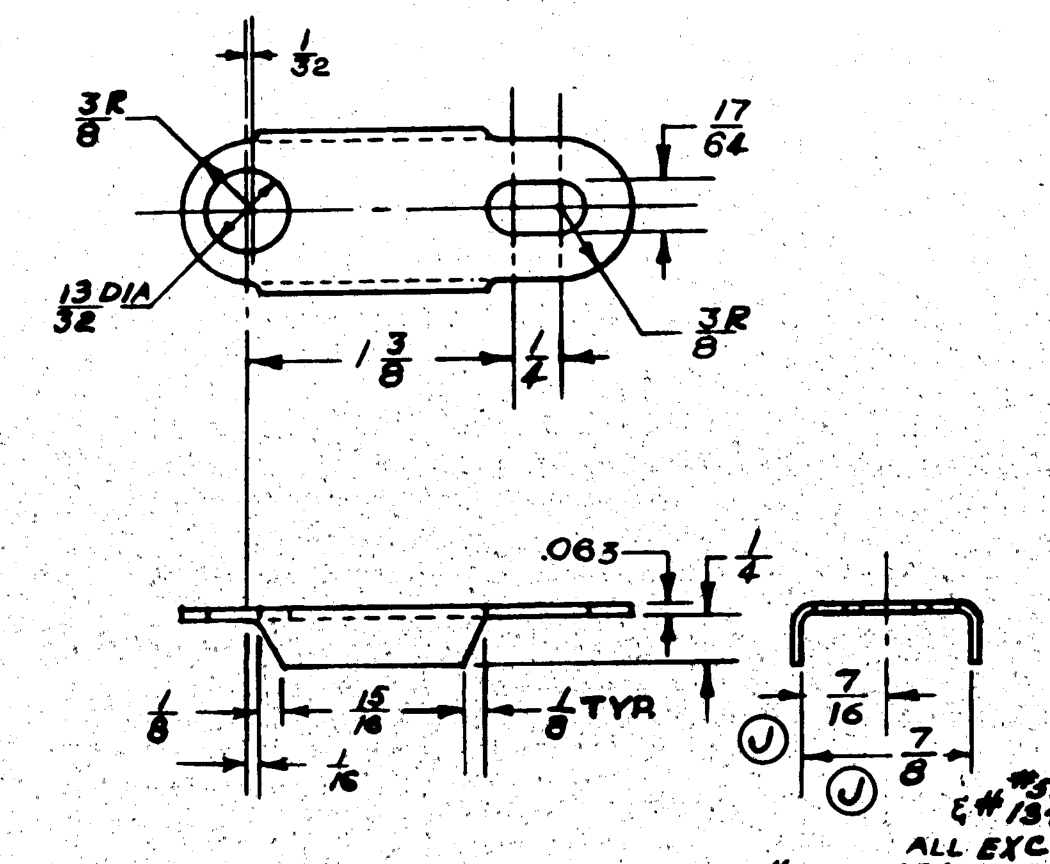
OPP. HAND

DWG. SIZE B 29P1192

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

LET	ALTERATION	DATE	BY
H	TRACED. NO WT. CHG.	8-6-43	BYUNEY
J	ON FACE OF DWG. CHGD. DIMS.:		
	7/8, WAS 3/4. 7/16, WAS 3/8		
	CHGD. STOCK DIMS. TO .063x2½		
	x1¾, WAS .063x2½x1⅝.		
	NO WT. CHG.	10/13/49	STEWART

32P275



#59 TO 67 & #137 TO 139 }
ALL EXCEPT #59 TO 67 & 134 TO 139 }
#1 - 23

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
	B24 K	32P1017	4
	B24H	32P1017	4
	B24C&D&E	32P1017	4
	PBY-5A&B	28P5000	2
	PBY-5	28P5060	1
	PBY-5	28E5030	2
	PBY-5	28P5000	2
	XB24	32P1017	4
	B24A	32P076	4
	B24	32P076	4
	XB24	32P076	4
	ALL 28-5S	28P5000	2

REQUIREMENTS PER AIRPLANE

REPLACES 32P275 OF 11-16-39 CALC. WT.

REPLACED BY ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 | SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

NOTE:
1. ALL SHEET TO BE ELECTRIC FURNACE BRIGHT FINISH.
2. ALL BEND & RELIEF RADII 1/16.

PART No.	STOCK	MATERIAL	SPEC.	LH REQ. -0	RH REQ. -0	LH REQ. -2	RH REQ. -2	LH REQ. -3	RH REQ. -3	LH REQ. -4	RH REQ. -4	LH REQ. -5	RH REQ. -5
	.063x2½x1¾	NOTED	NOTED										

PARTS LIST PER ASSY.

MATERIAL NOTES
1. SAE 1020 SPEC. AN S-11 HT 55000#/□"
2. SAE 1025 SPEC. AN S-11 HT. 55000#/□"
3. CHR. MOLY. STL. SPEC. AN-QQ-S-685A
HEAT TREAT.
AC: NONE NAVY: NORMALIZE

HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV	ENG
AC NOTED	CADMIUM PLATE	HESS	FOLLICK			I. H. OWEN	F.W.F.
NAVY NOTED	C-P-26P	11/16/39	11/20/39				11-24-39

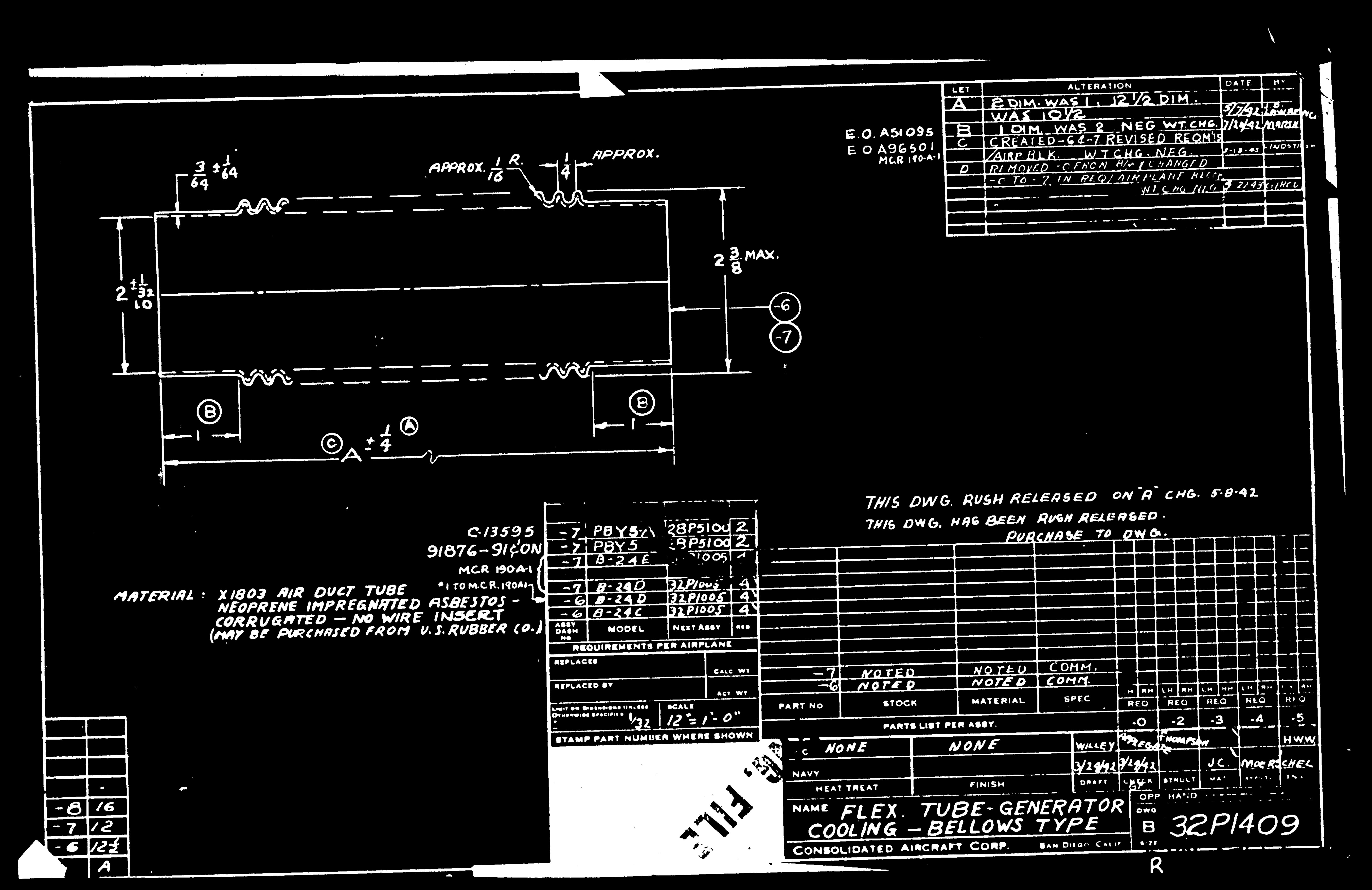
NAME BRACKET PROP. CONTROL TUBE SUPPORT

OPP. HAND

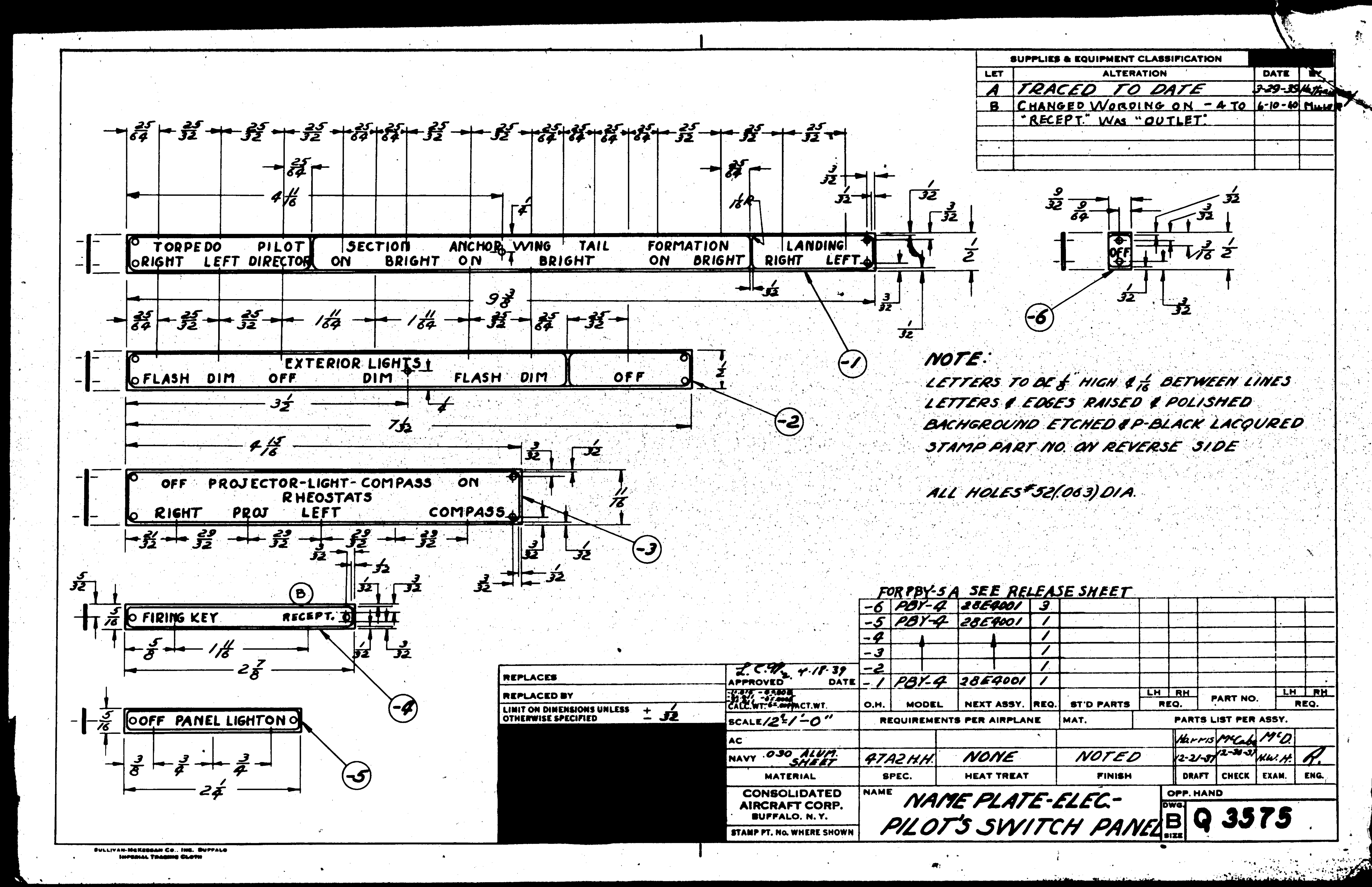
DWG. SIZE B 32P275

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

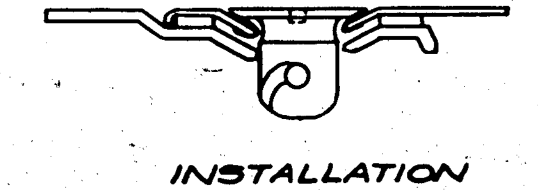
R

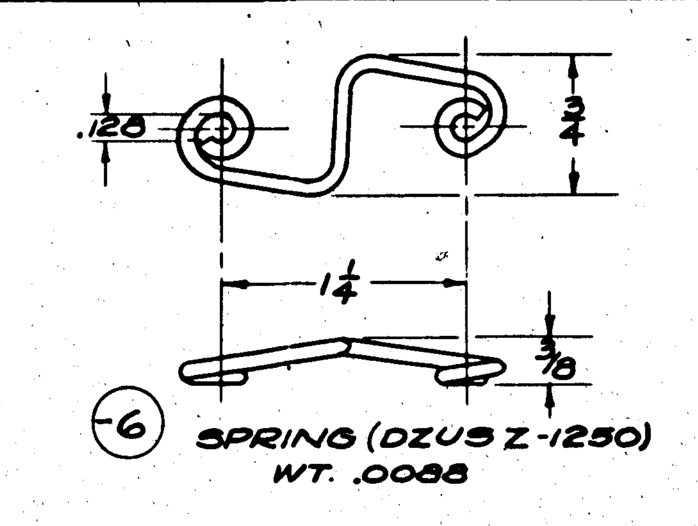


LET. | ALTERATION | DATE | BY
A | 2 DIM. WAS 1, 12 1/2 DIM. WAS 10 1/2
B | 1 DIM. WAS 2 NEG WT. CHG.
C | CREATED -6 & -7 REVISED REQM'TS /AIRP. BLK. WT. CHG. NEG.
D | REMOVED -6 FROM B/M & CHANGED -6 TO -7 IN REQ/AIRPLANE BLOCK WT CHG NEG
E.O. A51095
E.O. A96501
MCR 190-A-1
APPROX. 1/16 R.
1/4 APPROX.
3/64 ± 1/64
2 3/8 MAX.
2 ± 1/32
-6
-7
B
1
C A ± 1/4 A
THIS DWG. RUSH RELEASED ON "A" CHG. 5-8-42
THIS DWG. HAS BEEN RUSH RELEASED. PURCHASE TO DWG.
C-13595
91876-91¢ON
MCR 190-A-1
MATERIAL: X1803 AIR DUCT TUBE NEOPRENE IMPREGNATED ASBESTOS - CORRUGATED - NO WIRE INSERT (MAY BE PURCHASED FROM U.S. RUBBER CO.)
-7 PBY5A 28P5100 2
-7 PBY5 28P5100 2
-7 B-24E
-7 B-24D 32P1005 4
-6 B-24D 32P1005 4
-6 B-24C 32P1005 4
ASSY DASH NO | MODEL | NEXT ASSY | REQ
REQUIREMENTS PER AIRPLANE
REPLACES
CALC WT
REPLACED BY
ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
-7 NOTED NOTED COMM.
-6 NOTED NOTED COMM.
PART NO | STOCK | MATERIAL | SPEC
REQ -0 -2 -3 -4 -5
PARTS LIST PER ASSY.
NONE NONE
NAVY
HEAT TREAT
FINISH
WILLEY 3/24/42
DRAFT
CHECK
STRUCT
JC.
HWW
OPP HAND
NAME FLEX. TUBE-GENERATOR COOLING - BELLOWS TYPE
B 32P1409
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF
R
-8 16
-7 12
-6 12 1/2
A
FILE

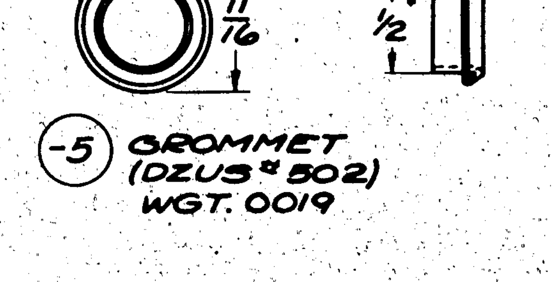

SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED TO DATE | 3-29-39
B | CHANGED WORDING ON -4 TO "RECEPT." WAS "OUTLET" | 6-10-40 | MILLER
TORPEDO PILOT SECTION ANCHOR WING TAIL FORMATION LANDING
RIGHT LEFT DIRECTOR ON BRIGHT ON BRIGHT ON BRIGHT RIGHT LEFT
EXTERIOR LIGHTS
FLASH DIM OFF DIM FLASH DIM OFF
OFF PROJECTOR-LIGHT-COMPASS ON
RHEOSTATS
RIGHT PROJ LEFT COMPASS
FIRING KEY RECEPT.
OFF PANEL LIGHT ON
OFF
NOTE:
LETTERS TO BE 1/8" HIGH & 1/16 BETWEEN LINES
LETTERS & EDGES RAISED & POLISHED
BACKGROUND ETCHED & P-BLACK LACQURED
STAMP PART NO. ON REVERSE SIDE
ALL HOLES #52(.063) DIA.
FOR PBY-5A SEE RELEASE SHEET
-6 PBY-4 28E4001 3
-5 PBY-4 28E4001 1
-4 1
-3 1
-2 1
-1 PBY-4 28E4001 1
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
APPROVED 4-18-39 DATE
CALC. WT. ACT. WT.
SCALE 12"=1'-0"
AC
NAVY .030 ALUM. SHEET 47A2HH NONE NOTED
MATERIAL SPEC. HEAT TREAT FINISH
Harris McCabe McD.
12-21-37 12-30-37
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME NAME PLATE-ELEC.- PILOT'S SWITCH PANEL
OPP. HAND
DWG. SIZE B Q 3575
SULLIVAN-McKEEGAN CO., INC. BUFFALO
IMPERIAL TRACING CLOTH

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
B.	TRACED UP TO DATE	9-10-37	Wheeler

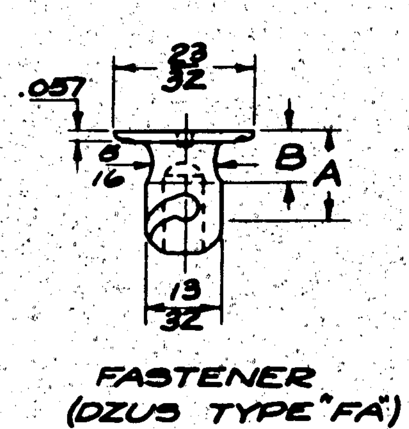

INSTALLATION



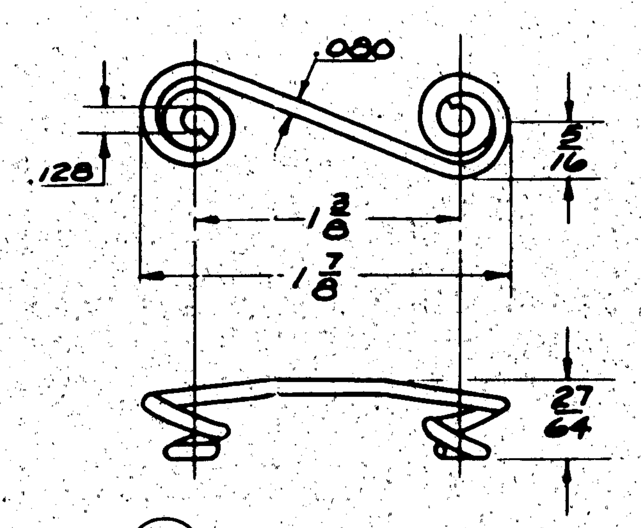
(-6) SPRING (DZUS Z-1250)
WT. .0088



(-5) GROMMET
(DZUS # 502)
WGT. .0019



FASTENER
(DZUS TYPE "FA")



(-4) SPRING
(DZUS # 1375)
WGT. .0103

PART NO.	A	B	GRIP	DZUS No.	WGT.
1Q540-2	.46	.25	.14	FA-46	.0165
-3	.56	.31	.24	FA-56	.0191

PBY-5B } SEE B/M
PBY5A }
B-24 A
B-24
X B-24

O.H.	MODEL	NEXT ASSY.	REQ.
	PBY-4		
	PBY-3		
	PBY-2		
	PBY-1		
	PB2A	SEE B/M	
-3	XP3Y-1	28B017	
-2	XP3Y-1	28D010	

REQUIREMENTS PER AIRPLANE

ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.

MAT. — PARTS LIST PER ASSY.

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
[redacted]

APPROVED 9-10-37 DATE
NOTED
CALC. WT. | ACT. WT
SCALE 12"=1'-0"
AC
NAVY

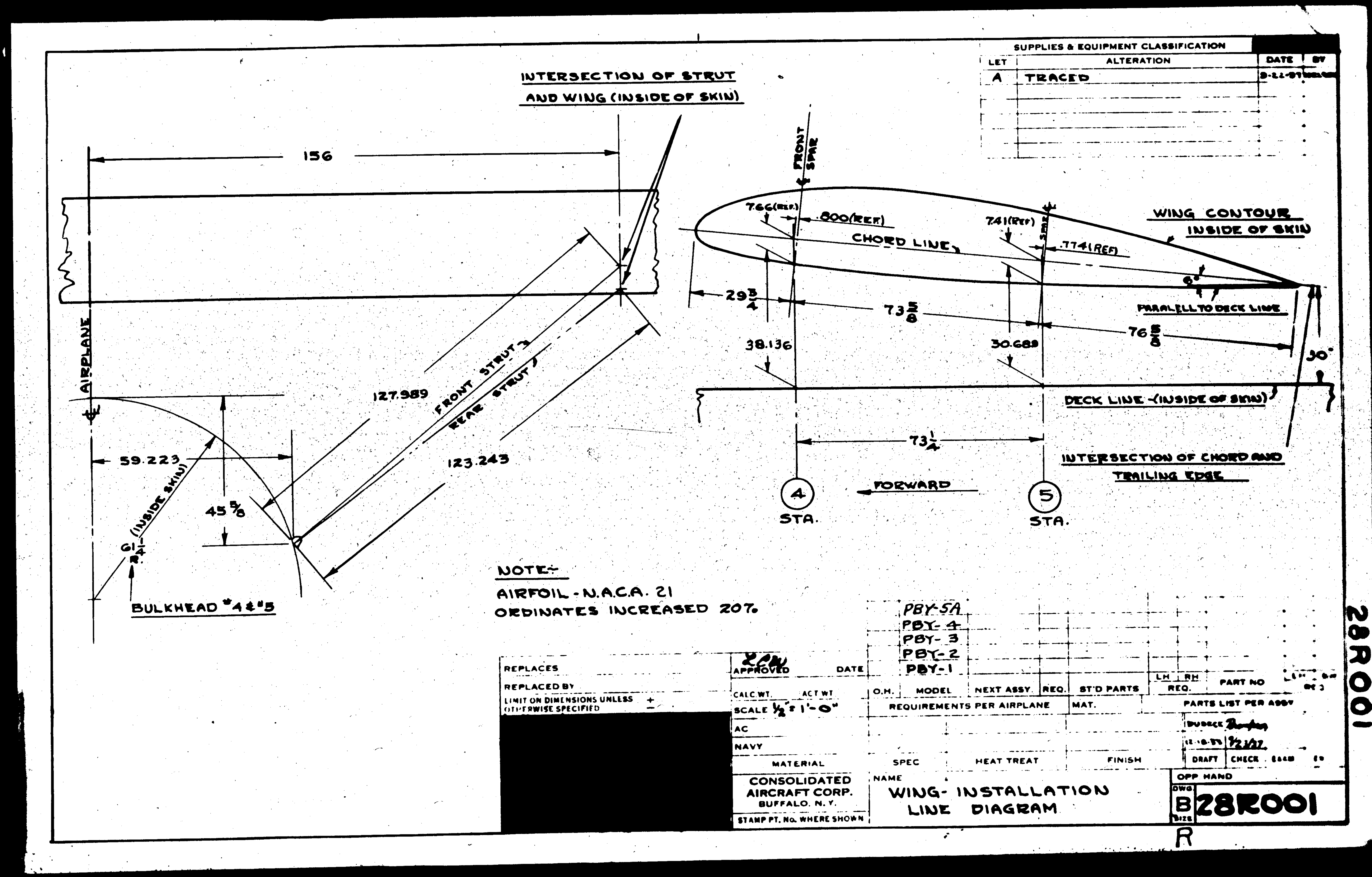
MATERIAL	SPEC.	HEAT TREAT	FINISH

DRAFT	CHECK	EXAM.	ENG.
KITE 7-28-33	9-10-37	MILLER	

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN

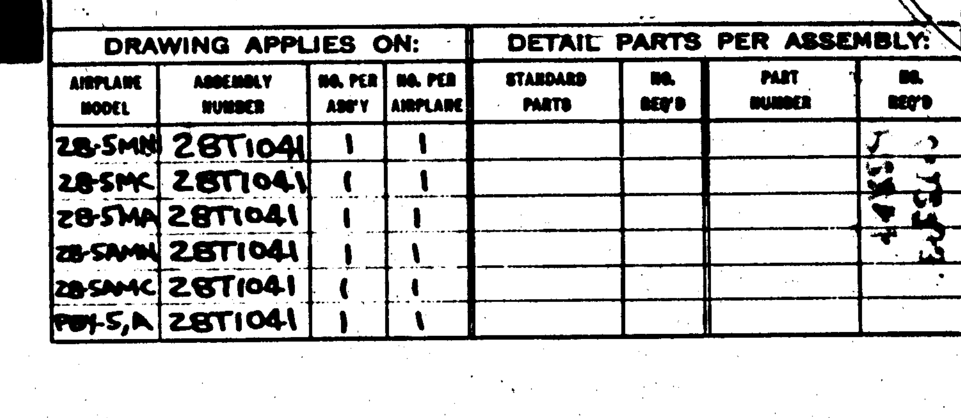
NAME FASTENER (DZUS - FLUSH TYPE FA)

OPP. HAND
DWG. SIZE B 1Q540


SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
A
TRACED
INTERSECTION OF STRUT
AND WING (INSIDE OF SKIN)
156
FRONT SPAR
SPAR
7.66(REF.)
.800(REF)
CHORD LINE
7.41(REF)
.774(REF)
WING CONTOUR
INSIDE OF SKIN
6°
PARALELL TO DECK LINE
29 3/4
73 5/8
76 5/8
38.136
30.689
30°
DECK LINE-(INSIDE OF SKIN)
73 1/4
INTERSECTION OF CHORD AND
TRAILING EDGE
4
STA.
FORWARD
5
STA.
AIRPLANE
127.989
FRONT STRUT
REAR STRUT
123.243
59.223
(INSIDE SKIN)
45 5/8
61 1/4 R.
BULKHEAD #4 & #5
NOTE:-
AIRFOIL - N.A.C.A. 21
ORDINATES INCREASED 20%
PBY-5A
PBY-4
PBY-3
PBY-2
PBY-1
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
APPROVED
DATE
CALC WT.
ACT WT.
SCALE 1/2" = 1'-0"
AC
NAVY
MATERIAL
SPEC
HEAT TREAT
FINISH
O.H.
MODEL
NEXT ASSY.
REQ.
ST'D PARTS
LH
RH
REQ.
PART NO
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY
DRAFT
CHECK
OPP HAND
CONSOLIDATED
AIRCRAFT CORP.
BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
WING- INSTALLATION
LINE DIAGRAM
DWG
B
SIZE
28R001
R
28R001

[redacted]

[redacted]



DRAWING APPLIES ON:				DETAIL PARTS PER ASSEMBLY:			
AIRPLANE MODEL	ASSEMBLY NUMBER	NO. PER ASS'Y	NO. PER AIRPLANE	STANDARD PARTS	NO. REQ'D	PART NUMBER	NO. REQ'D
28-5MN	28T1041	1	1				
28-5MC	28T1041	1	1				
28-5MA	28T1041	1	1				
28-5AMN	28T1041	1	1				
28-5AMC	28T1041	1	1				
PBY-5,A	28T1041	1	1				

1

$\frac{1}{8}$ DIE PARTING

RADIUS AS SMALL AS POSSIBLE

93°

1

.10

$\frac{13}{16}$

$\frac{1}{8}$ R

ALL UNMARKED RADII $\frac{1}{16}$

$\frac{7}{16}$ R

DIE PARTING

$\frac{7}{16}$

FOR MACHINING DETAILS SEE ASSY DWG 9T010 SHT 2 } FOR PBY-2 & PBY-3 ONLY

$\frac{7}{8}$ $\frac{3}{4}$ $1\frac{5}{8}$ $\frac{3}{4}$

$4\frac{7}{8}$

(D) (E) SPEC. 46A7 GR-3

H. T. 44,000 #/sq. in.

DRAFT 7°

FORGING NOT AFFECTED

28-5ME	28T1041	1	1				
PBY-5B	28T1041	1	1				
PBY-4	28T1041						
PBY-3	28T1041						
PBY-2	28T1041						
PBY-1	28T1041						
P2Y-2	9T010	1	3				
P3Y-3	9T010	2	3				
AIRPLANE MODEL	ASSEMBLY NUMBER	NO. PER ASS'Y	NO. PER AIRPLANE	STANDARD PARTS	NO. REQ'D	PART NUMBER	NO. REQ'D
DRAWING APPLIES ON:				DETAIL PARTS PER ASSEMBLY:			

NAVY APPROVED LCW 9-26-36 DATE

CALC. WT.	ACT. WT.
.32 #	.32 #

SCALE 1/1

MATERIAL AL. ALLOY FORGING A51ST	DRAFTSMAN	E.W.M. A.V.	9-23-31 1-31-33
SPEC'S. NAVY NO.: NOTED	STRENGTH & W'T. EXAM.		
HEAT TREAT NOTED	CHECKED		
FINISH NONE	APPR'VD. & REL'S'D.		

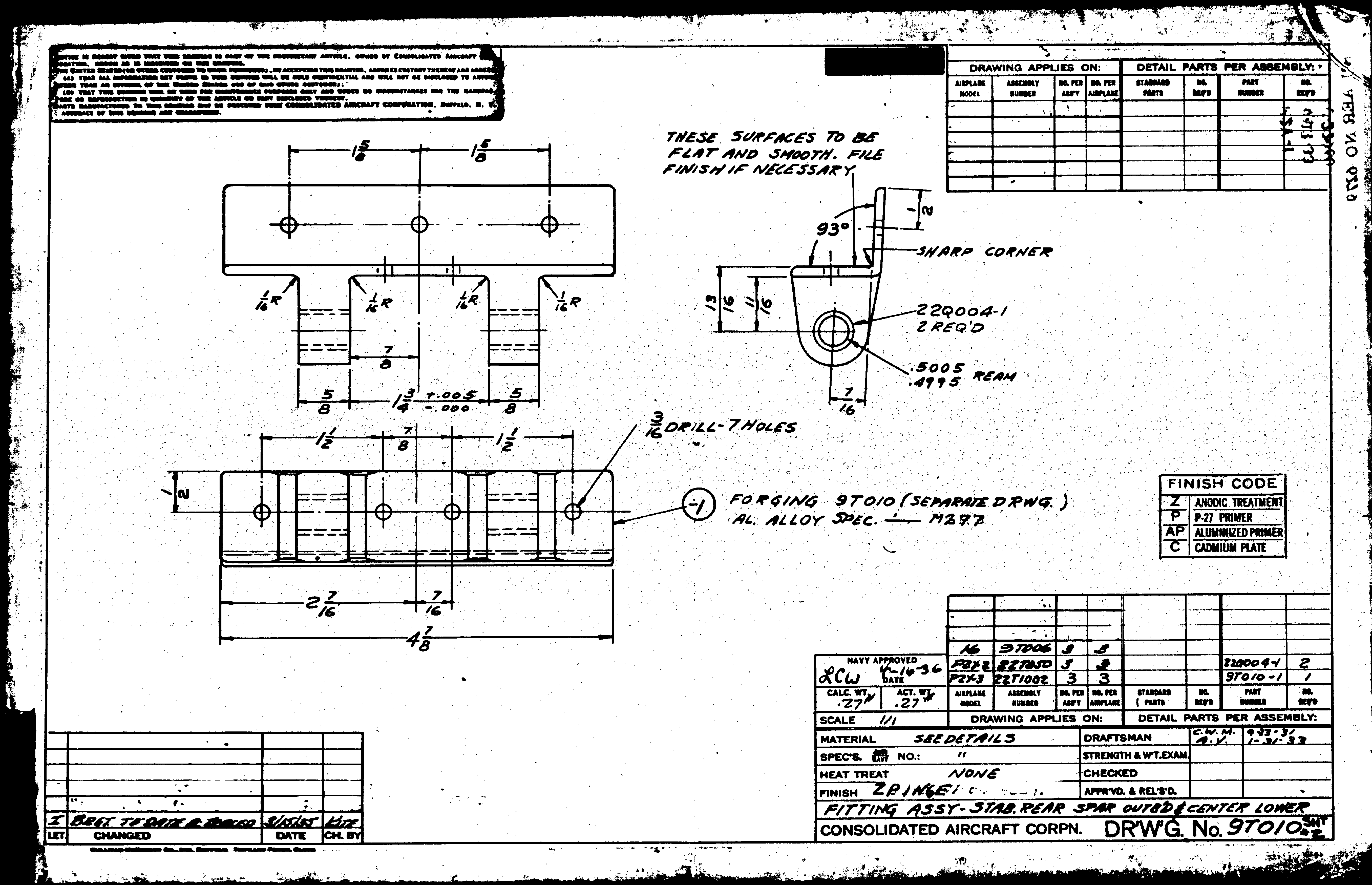
FORGING - STAB. REAR SPAR OUTB'D & CENTER LOWER FITTING.

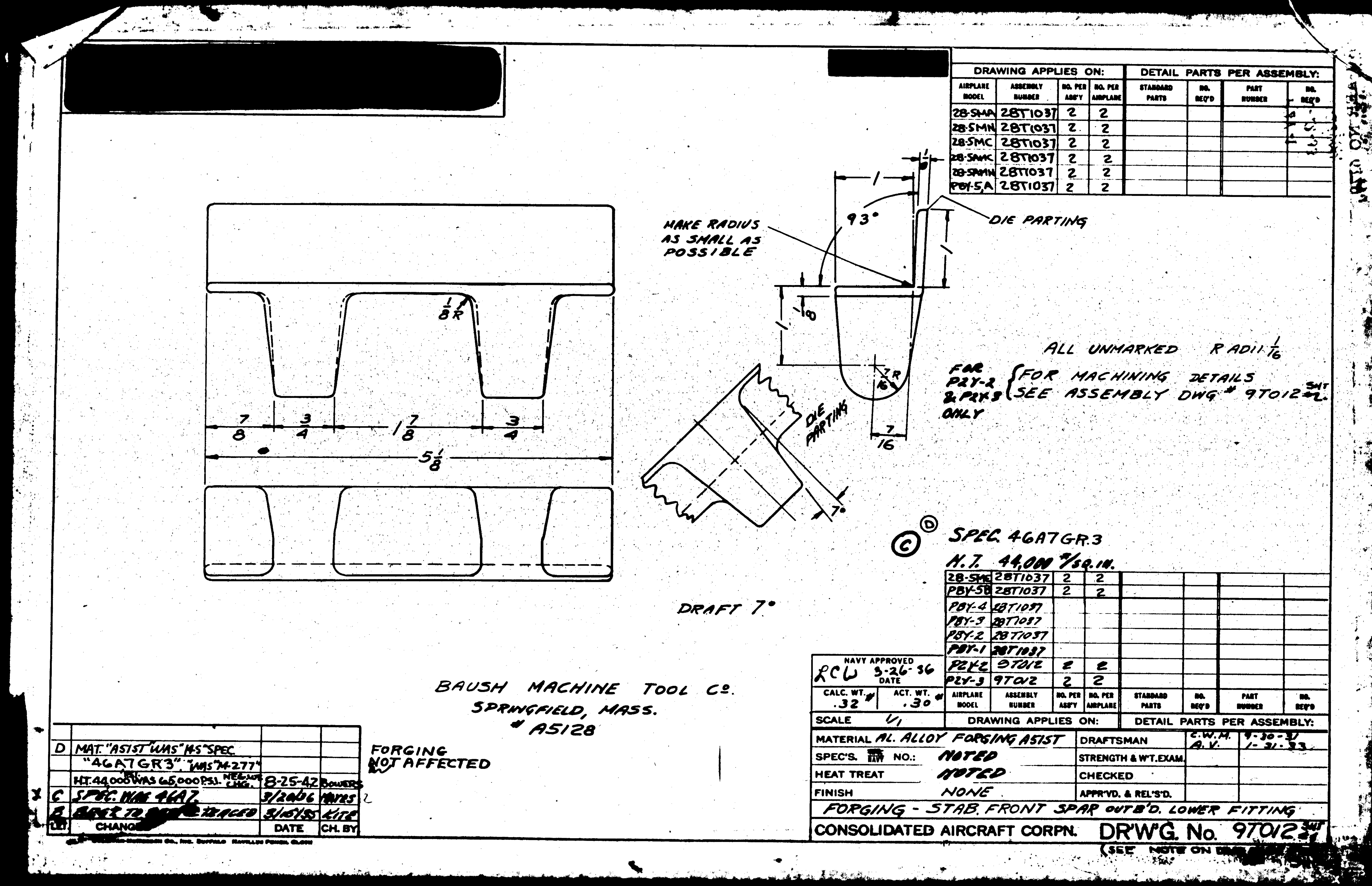
CONSOLIDATED AIRCRAFT CORPN. DR'W'G. No. 9T010 SHT 3

(NOTE ON FACE FOR SHT 2)

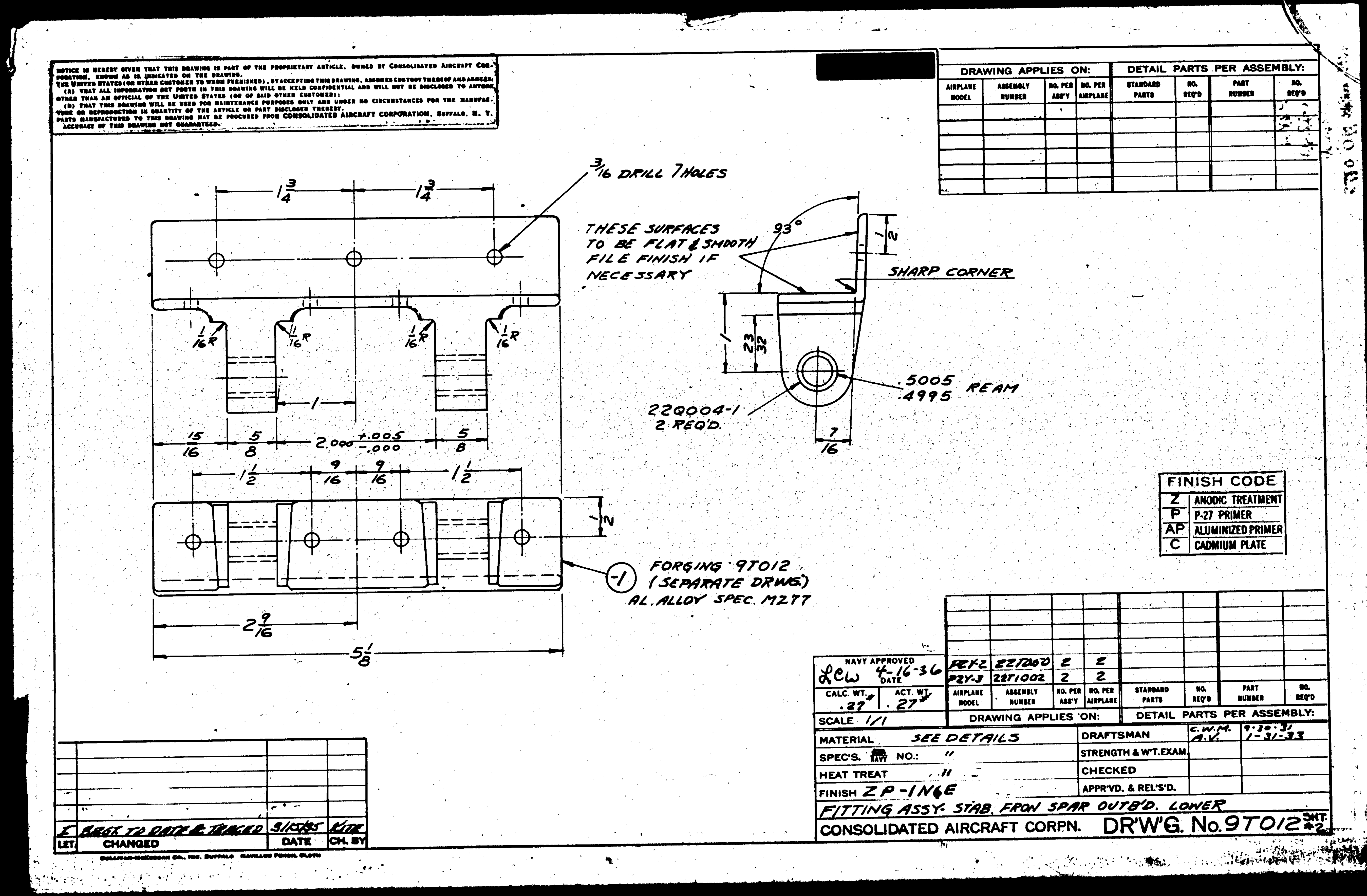
BAUSH MACHINE TOOL Co.
SPRINGFIELD, MASS. #A5126

LET.	CHANGED	DATE	CH. BY
E	MAT'L A51ST WAS "14S" SPEC "46A7 GR3" WAS M277		
	HT 44,000 PSI WAS 65,000 PSI CHG. NEG. WT.	8-25-42	BOWERS
D	SPEC. WAS 46A7	9/20/36	HAYES
C	[illegible]	[illegible]	KITE


[redacted]
CONSOLIDATED AIRCRAFT CORPORATION, BUFFALO, N. Y.
DRAWING APPLIES ON:
AIRPLANE MODEL
ASSEMBLY NUMBER
NO. PER ASS'Y
NO. PER AIRPLANE
DETAIL PARTS PER ASSEMBLY:
STANDARD PARTS
NO. REQ'D
PART NUMBER
NO. REQ'D
THESE SURFACES TO BE FLAT AND SMOOTH. FILE FINISH IF NECESSARY
93°
SHARP CORNER
22Q004-1
2 REQ'D
.5005
.4995 REAM
1/16 R
3/16 DRILL-7 HOLES
FORGING 9T010 (SEPARATE DRWG.)
AL. ALLOY SPEC. M287
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
1 5/8
7/8
5/8
1 3/4 +.005 -.000
1 1/2
2 7/16
7/16
4 7/8
13/16
11/16
1/2
NAVY APPROVED
LCW 4-16-36
DATE
CALC. WT. .27#
ACT. WT. .27#
16 9T006 3 3
P2Y-2 22T050 3 3
P2Y-3 22T1002 3 3
22Q004-1 2
9T010-1 1
SCALE 1/1
MATERIAL SEE DETAILS
SPEC'S. NO.: "
HEAT TREAT NONE
FINISH
DRAFTSMAN C.W.M. A.V. 9-23-31 1-31-33
STRENGTH & W'T. EXAM.
CHECKED
APPR'VD. & REL'S'D.
FITTING ASSY - STAB. REAR SPAR OUTB'D & CENTER LOWER
CONSOLIDATED AIRCRAFT CORPN.
DR'WG. No. 9T010 SHT 2
I BROT TO DATE & TRACED
LET. CHANGED DATE CH. BY



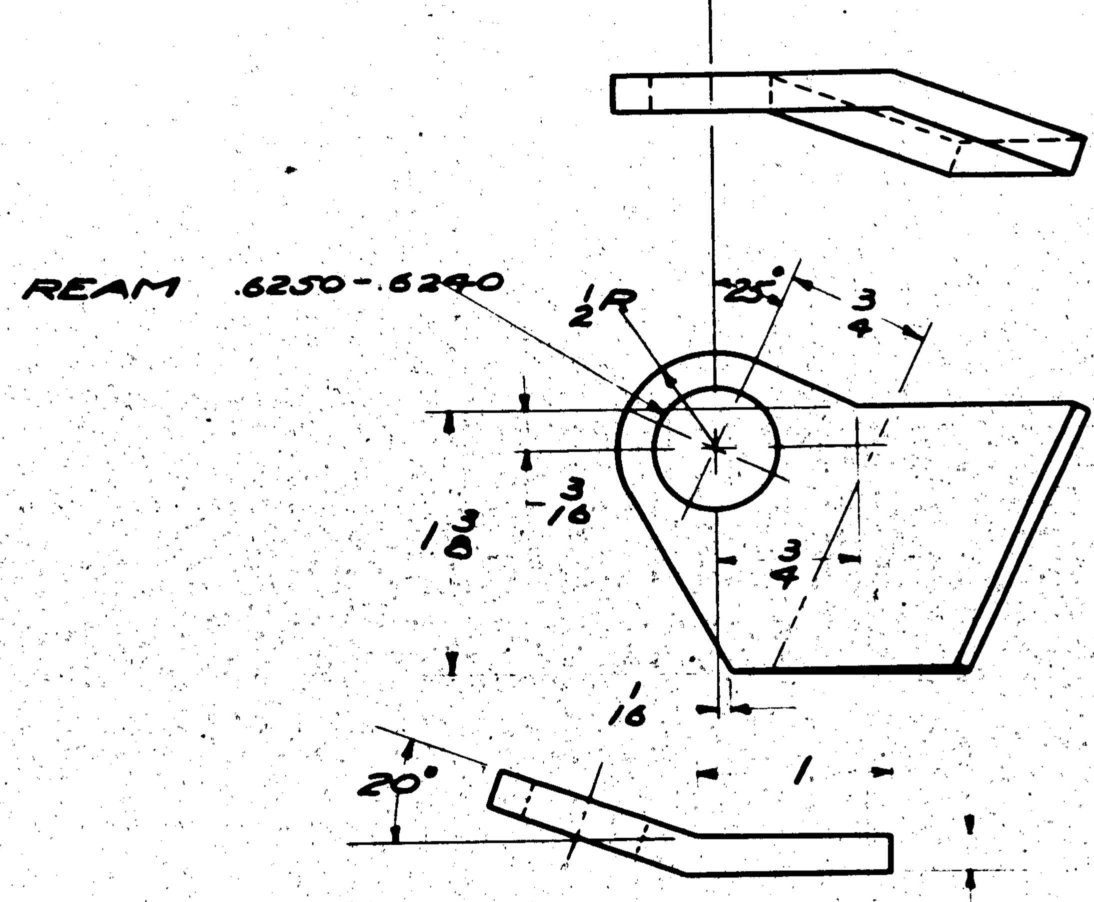
[redacted]
[redacted]
DRAWING APPLIES ON:
DETAIL PARTS PER ASSEMBLY:
AIRPLANE MODEL | ASSEMBLY NUMBER | NO. PER ASS'Y | NO. PER AIRPLANE
STANDARD PARTS | NO. REQ'D | PART NUMBER | NO. REQ'D
28-5MA 28T1037 2 2
28-5MN 28T1037 2 2
28-5MC 28T1037 2 2
28-5AMC 28T1037 2 2
28-5AMN 28T1037 2 2
PBY-5A 28T1037 2 2
MAKE RADIUS AS SMALL AS POSSIBLE
93°
DIE PARTING
1/8 R
7/8
3/4
1 7/8
3/4
5 1/8
ALL UNMARKED RADII 1/16
FOR P2Y-2 & P2Y-3 ONLY
FOR MACHINING DETAILS SEE ASSEMBLY DWG # 9T012 SHT 2.
7/16
7°
SPEC. 46A7 GR.3
H.T. 44,000 #/SQ.IN.
28-5ME 28T1037 2 2
PBY-5B 28T1037 2 2
PBY-4 28T1037
PBY-3 28T1037
PBY-2 28T1037
PBY-1 28T1037
P2Y-2 9T012 2 2
P2Y-3 9T012 2 2
DRAFT 7°
NAVY APPROVED
3-26-36
DATE
CALC. WT. .32#
ACT. WT. .30#
SCALE 1/1
BAUSH MACHINE TOOL Co.
SPRINGFIELD, MASS.
A5128
D MAT. "A51ST" WAS "14S" SPEC. "46A7GR3" WAS "M-277" H.T. 44,000 WAS 65,000 PSI. NEG. NOT CHG. 8-25-42 BOWERS
C SPEC. WAS 46A7. 3/20/36
B REV. TO ... TRACED 3/15/35 KITE
LET. CHANGE DATE CH. BY
FORGING NOT AFFECTED
MATERIAL AL. ALLOY FORGING A51ST
SPEC'S. NAVY NO.: NOTED
HEAT TREAT NOTED
FINISH NONE
DRAFTSMAN C.W.M. 9-30-31 A.V. 1-31-33
STRENGTH & WT. EXAM.
CHECKED
APPR'VD. & REL'S'D.
FORGING - STAB. FRONT SPAR OUTB'D. LOWER FITTING
CONSOLIDATED AIRCRAFT CORPN.
DR'WG. No. 9T012 SHT 1
(SEE NOTE ON



NOTICE IS HEREBY GIVEN THAT THIS DRAWING IS PART OF THE PROPRIETARY ARTICLE, OWNED BY CONSOLIDATED AIRCRAFT CORPORATION, KNOWN AS IS INDICATED ON THE DRAWING. THE UNITED STATES (OR OTHER CUSTOMER TO WHOM FURNISHED), BY ACCEPTING THIS DRAWING, ASSUMES CUSTODY THEREOF AND AGREES: (A) THAT ALL INFORMATION SET FORTH IN THIS DRAWING WILL BE HELD CONFIDENTIAL AND WILL NOT BE DISCLOSED TO ANYONE OTHER THAN AN OFFICIAL OF THE UNITED STATES (OR OF SAID OTHER CUSTOMER): (B) THAT THIS DRAWING WILL BE USED FOR MAINTENANCE PURPOSES ONLY AND UNDER NO CIRCUMSTANCES FOR THE MANUFACTURE OR REPRODUCTION IN QUANTITY OF THE ARTICLE OR PART DISCLOSED THEREBY. PARTS MANUFACTURED TO THIS DRAWING MAY BE PROCURED FROM CONSOLIDATED AIRCRAFT CORPORATION, BUFFALO, N. Y. ACCURACY OF THIS DRAWING NOT GUARANTEED.
[redacted]
DRAWING APPLIES ON:
AIRPLANE MODEL
ASSEMBLY NUMBER
NO. PER ASS'Y
NO. PER AIRPLANE
DETAIL PARTS PER ASSEMBLY:
STANDARD PARTS
NO. REQ'D
PART NUMBER
NO. REQ'D
3/16 DRILL 7 HOLES
1 3/4
1 3/4
1/16 R
1/16 R
1/16 R
1/16 R
1
15/16
5/8
2.000 +.005 -.000
5/8
1 1/2
9/16
9/16
1 1/2
1/2
2 9/16
5 5/8
THESE SURFACES TO BE FLAT & SMOOTH FILE FINISH IF NECESSARY
93°
1/2
SHARP CORNER
1
23/32
.5005 .4995 REAM
22Q004-1 2 REQ'D.
7/16
FORGING 9T012 (SEPARATE DRWG.) AL. ALLOY SPEC. M277
-1
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
NAVY APPROVED
LCW 4-16-36
DATE
CALC. WT. .27#
ACT. WT. .27#
SCALE 1/1
P2Y-2 22T060 2 2
P2Y-3 22T1002 2 2
AIRPLANE MODEL
ASSEMBLY NUMBER
NO. PER ASS'Y
NO. PER AIRPLANE
STANDARD PARTS
NO. REQ'D
PART NUMBER
NO. REQ'D
DRAWING APPLIES ON:
DETAIL PARTS PER ASSEMBLY:
MATERIAL SEE DETAILS
SPEC'S. NAVY NO.: "
HEAT TREAT "
FINISH ZP-IN6E
DRAFTSMAN C.W.M. 9-30-31
A.V. 1-31-33
STRENGTH & W'T. EXAM.
CHECKED
APPR'VD. & REL'S'D.
FITTING ASSY- STAB. FRON SPAR OUTB'D. LOWER
CONSOLIDATED AIRCRAFT CORPN.
DR'W'G. No. 9T012 SHT. #2
E REST. TO DATE & TRACED 9/15/35 KITE
LET. CHANGED DATE CH. BY
SULLIVAN-McKEOGAN CO., INC. BUFFALO NAVILLUS PENCIL CLOTH

LET	ALTERATION	DATE	BY
A	TRACED	2-25-37	Bush

SUPPLIES & EQUIPMENT CLASSIFICATION



3/16 ALUM ALLOY SHEET
SPEC. 47A10 (COND "T") 24-T

F[illegible] CODE

Z	[illegible]
P	[illegible]
AP	[illegible]
C	[illegible]

-R	PBY-5A&B	28T032	1EA
-L	PBY-5A&B	28T032	1EA

O.H.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.
-1	PBY-4	28T032-1	1						
	PBY-4	28T032	1						
-1	PBY-3	28T032-1	1						
	PBY-3	28T032	1						
-1	PBY-2	28T032-1	1						
	PBY-2	28T032	1						
-1	PBY-1	28T032-1	1						
	PBY-1	28T032	1						
-1	XP3Y-1	28T032-1	1						
	XP3Y-1	28T032	1						

REQUIREMENTS PER AIRPLANE — MAT. — PARTS LIST PER ASSY.

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010

APPROVED [illegible] DATE 3-17-38
.044 CALC.WT. ACT.WT.
SCALE 12" = 1' 0"

MATERIAL	SPEC.	HEAT TREAT	FINISH
NAVY NOTED	NOTED	NOTED	Z + 2P

DRAFT	CHECK	EXAM.	ENG.
Marchand 6-21-36	[illegible] 3-3-37	Miller 6-25-37	

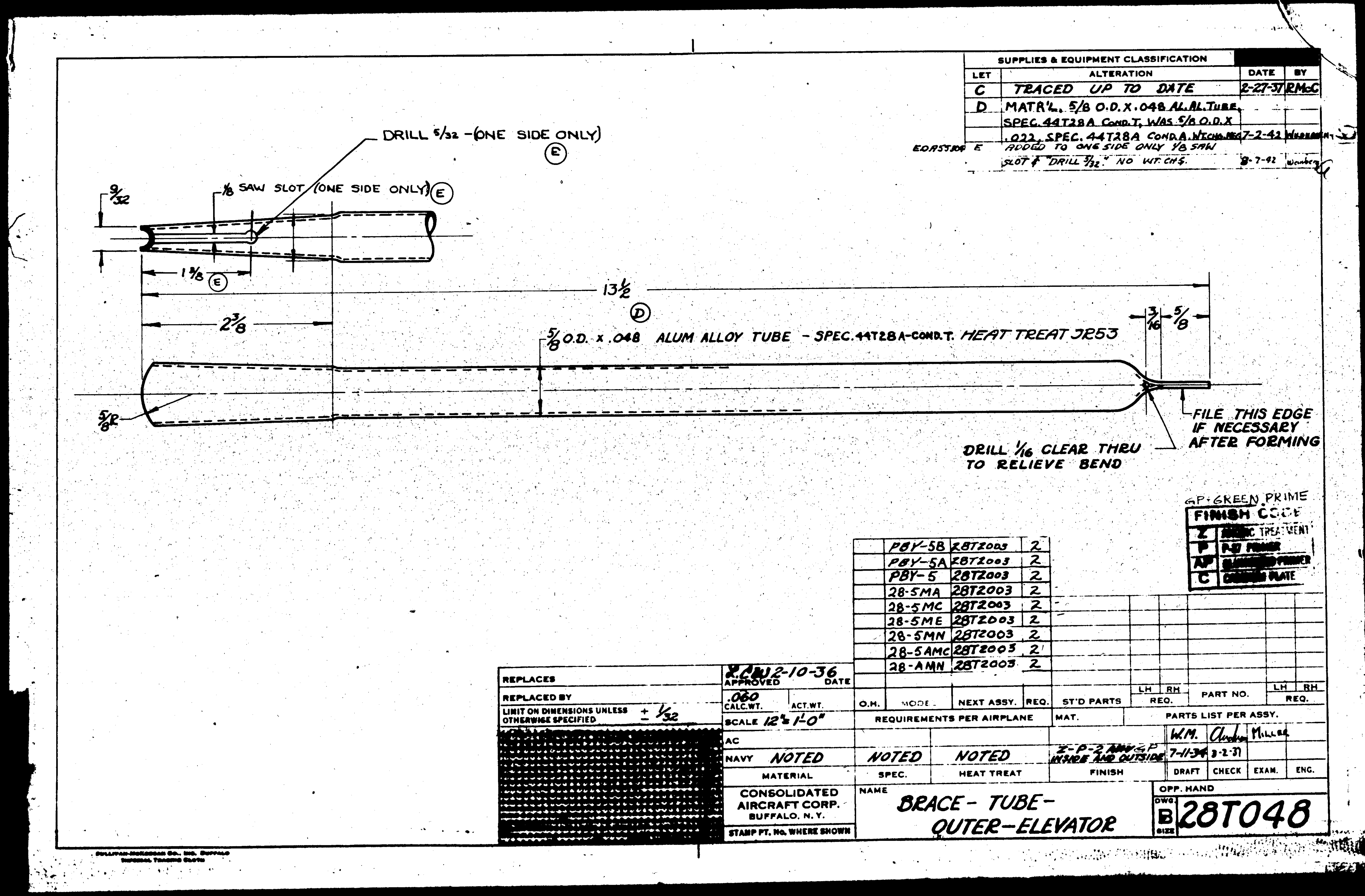
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.

STAMP PT. No. WHERE SHOWN

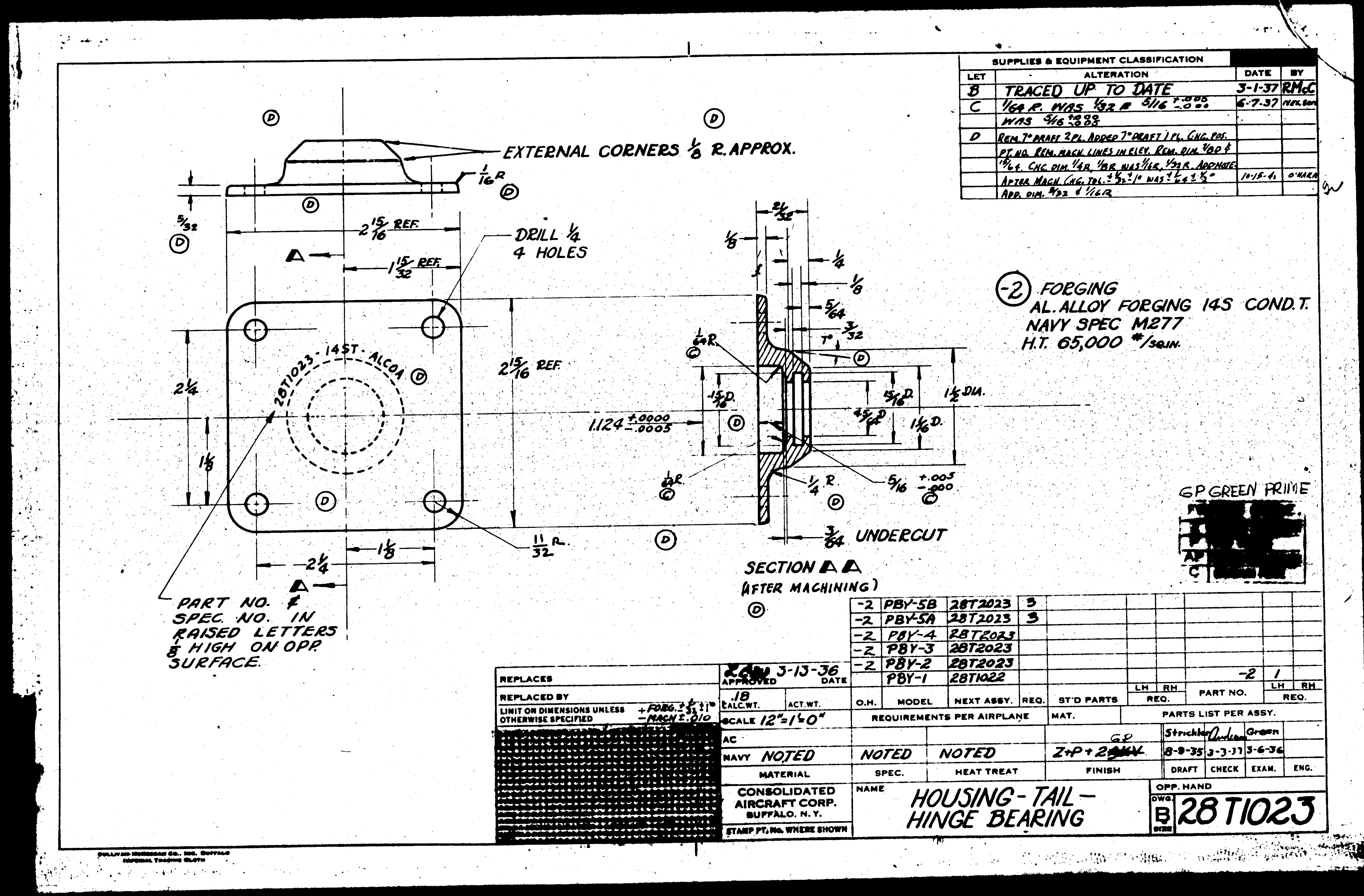
NAME BEARING BR'CK'T – FLAP ELEVATOR

OPP. HAND 28T033-1

SIZE B NO. 28T033

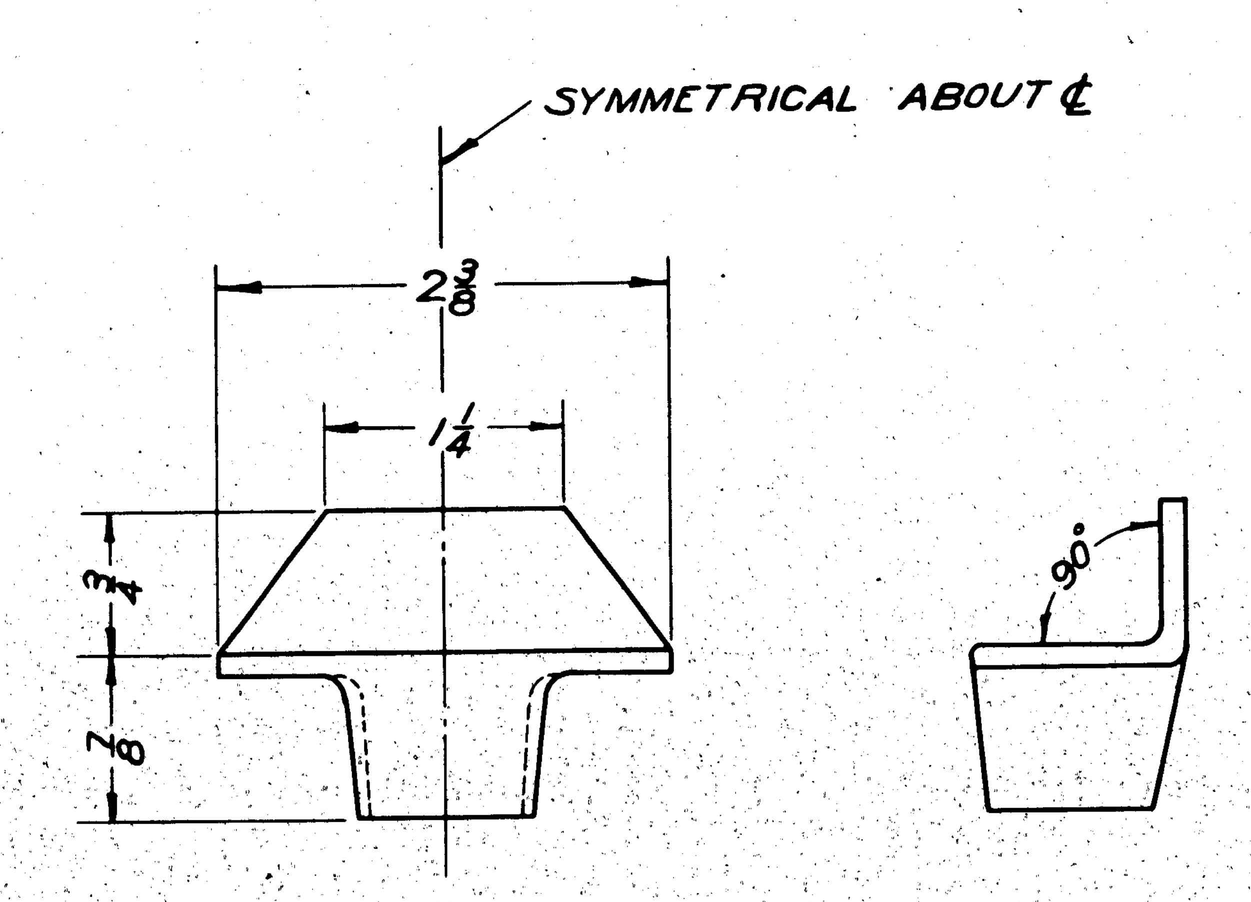


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C | TRACED UP TO DATE | 2-27-37 | RMcC
D | MATR'L. 5/8 O.D. X .048 AL. AL. TUBE, SPEC. 44T28A COND. T, WAS 5/8 O.D. X .022, SPEC. 44T28A COND. A. | 7-2-42
E | ADDED TO ONE SIDE ONLY 1/8 SAW SLOT & "DRILL 5/32." NO WT. CHG. | 8-7-42
DRILL 5/32 -(ONE SIDE ONLY) (E)
1/8 SAW SLOT (ONE SIDE ONLY) (E)
9/32
1 3/8 (E)
13 1/2 (D)
2 3/8
5/8 O.D. X .048 ALUM ALLOY TUBE - SPEC. 44T28A-COND. T. HEAT TREAT JR53
3/16
5/8
5/8 R
FILE THIS EDGE IF NECESSARY AFTER FORMING
DRILL 1/16 CLEAR THRU TO RELIEVE BEND
GP: GREEN PRIME
FINISH CODE
PBY-5B 28T2003 2
PBY-5A 28T2003 2
PBY-5 28T2003 2
28-5MA 28T2003 2
28-5MC 28T2003 2
28-5ME 28T2003 2
28-5MN 28T2003 2
28-5AMC 28T2003 2
28-AMN 28T2003 2
O.H. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
MAT.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
APPROVED 2-10-36 DATE
.060 CALC. WT.
ACT. WT.
SCALE 12" = 1'-0"
AC
NAVY
NOTED | NOTED | NOTED | Z-P-2 AW GP INSIDE AND OUTSIDE
MATERIAL | SPEC. | HEAT TREAT | FINISH
W.M. 7-11-34 | 3-2-37 | Miller
DRAFT | CHECK | EXAM. | ENG.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N. Y.
STAMP PT. No. WHERE SHOWN
NAME
BRACE - TUBE - OUTER - ELEVATOR
DWG. B SIZE 28T048



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B | TRACED UP TO DATE | 3-1-37 | RMcC
C | 1/64 R. WAS 1/32 R 5/16 +.005 -.000 WAS 5/16 +.000 -.003 | 6-7-37 | NELSON
D | REM. 7° DRAFT 2 PL. ADDED 7° DRAFT 1 PL. CHG. POS. PT. NO. REM. MACH. LINES IN ELEV. REM. DIM. 1/8 D & 15/64. CHG. DIM. 1/4 R, 1/8 R WAS 1/16 R, 1/32 R. ADD NOTE: AFTER MACH. CHG. TOL. ±1/32 ±1° WAS ±1/64 ±1/2° ADD. DIM. 5/32 & 1/16 R | 10-15-41 | O'HARA
EXTERNAL CORNERS 1/8 R. APPROX.
1/16 R
5/32
2 15/16 REF.
1 15/32 REF.
DRILL 1/4
4 HOLES
2 15/16 REF.
2 1/4
1 1/8
28T1023 - 14ST - ALCOA
11/32 R.
2 1/4
1 1/8
PART NO. & SPEC. NO. IN RAISED LETTERS 1/8 HIGH ON OPP. SURFACE.
21/32
1/8
1/4
1/8
5/64
3/32
7°
1/64 R.
15/16 D.
1.124 +.0000 -.0005
15/16 D.
45/64 D
1 1/16 D.
1 1/2 DIA.
1/64 R.
1/4 R.
5/16 +.005 -.000
3/64 UNDERCUT
SECTION A A
(AFTER MACHINING)
-2 FORGING
AL. ALLOY FORGING 14S COND. T.
NAVY SPEC M277
H.T. 65,000 #/SQ.IN.
GP GREEN PRIME
[redacted]
-2 | PBY-5B | 28T2023 | 3
-2 | PBY-5A | 28T2023 | 3
-2 | PBY-4 | 28T2023
-2 | PBY-3 | 28T2023
-2 | PBY-2 | 28T2023
PBY-1 | 28T1022
-2 | 1
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH | RH | REQ. | PART NO. | LH | RH | REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED | +FORG. ±1/32 ±1° -MACH. ±.010
3-13-36
APPROVED | DATE
.18
CALC. WT. | ACT. WT.
SCALE 12"=1'-0"
AC
NAVY NOTED | NOTED | NOTED | Z+P+2 GP
MATERIAL | SPEC. | HEAT TREAT | FINISH
Strickler | Green
8-9-35 | 3-3-37 | 3-6-36
DRAFT | CHECK | EXAM. | ENG.
[redacted]
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME HOUSING - TAIL - HINGE BEARING
OPP. HAND
DWG. B SIZE 28T1023

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
A	TRACED	3-3-37	B.M.H.



NOTE: MAKE FROM 9T012

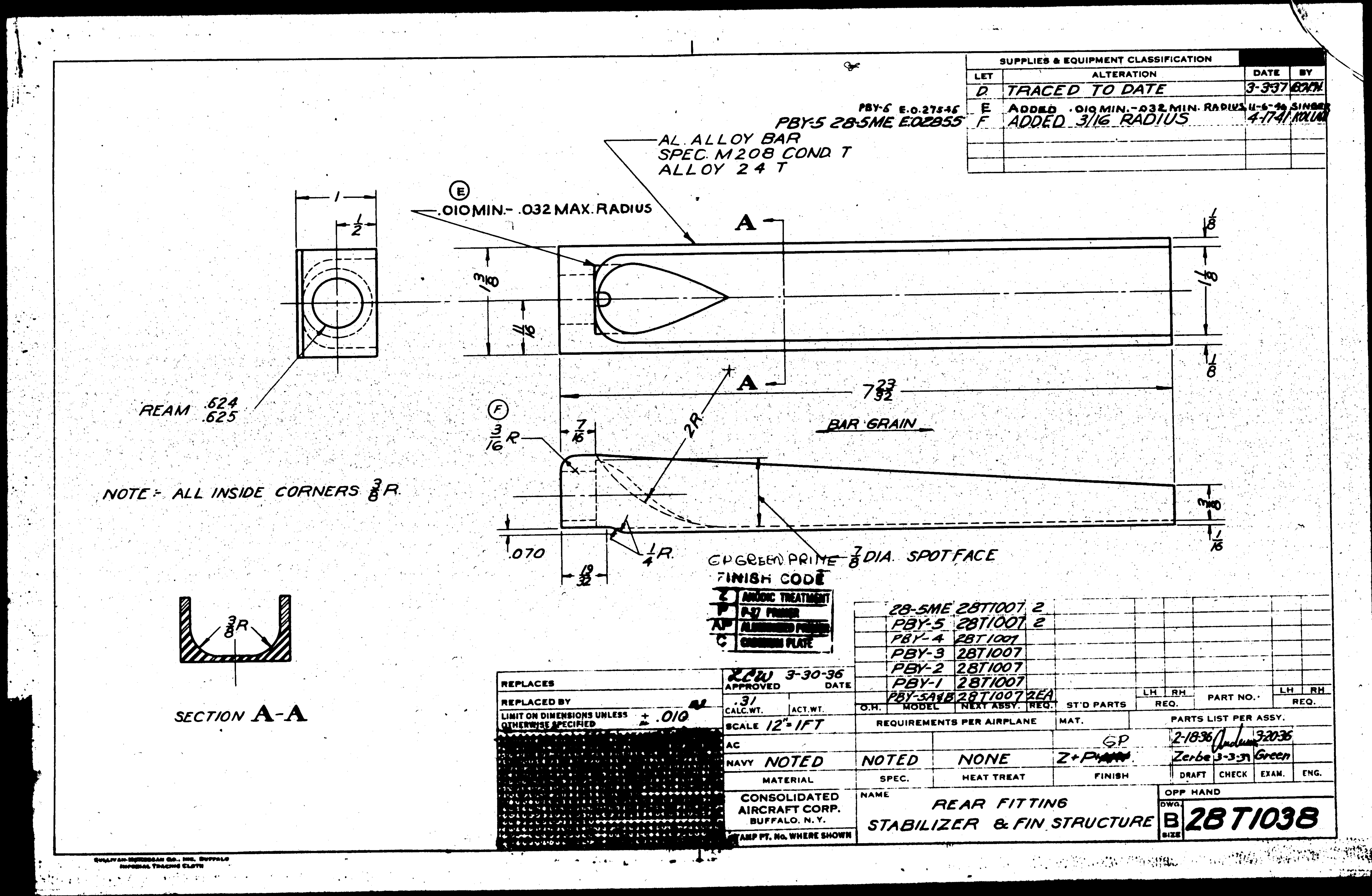
O.H.	MODEL	NEXT ASSY	REQ.	ST'D PARTS	REQ. LH	REQ. RH	PART NO.	REQ. LH	REQ. RH
	PBY-5B	28T014	4						
	PBY-5A	28T014	4						
	PBY-4	28T014							
	PBY-3	28T014							
	PBY-2	28T014							
	PBY-1	28T014							
REQUIREMENTS PER AIRPLANE				MAT.	PARTS LIST PER ASSY.				

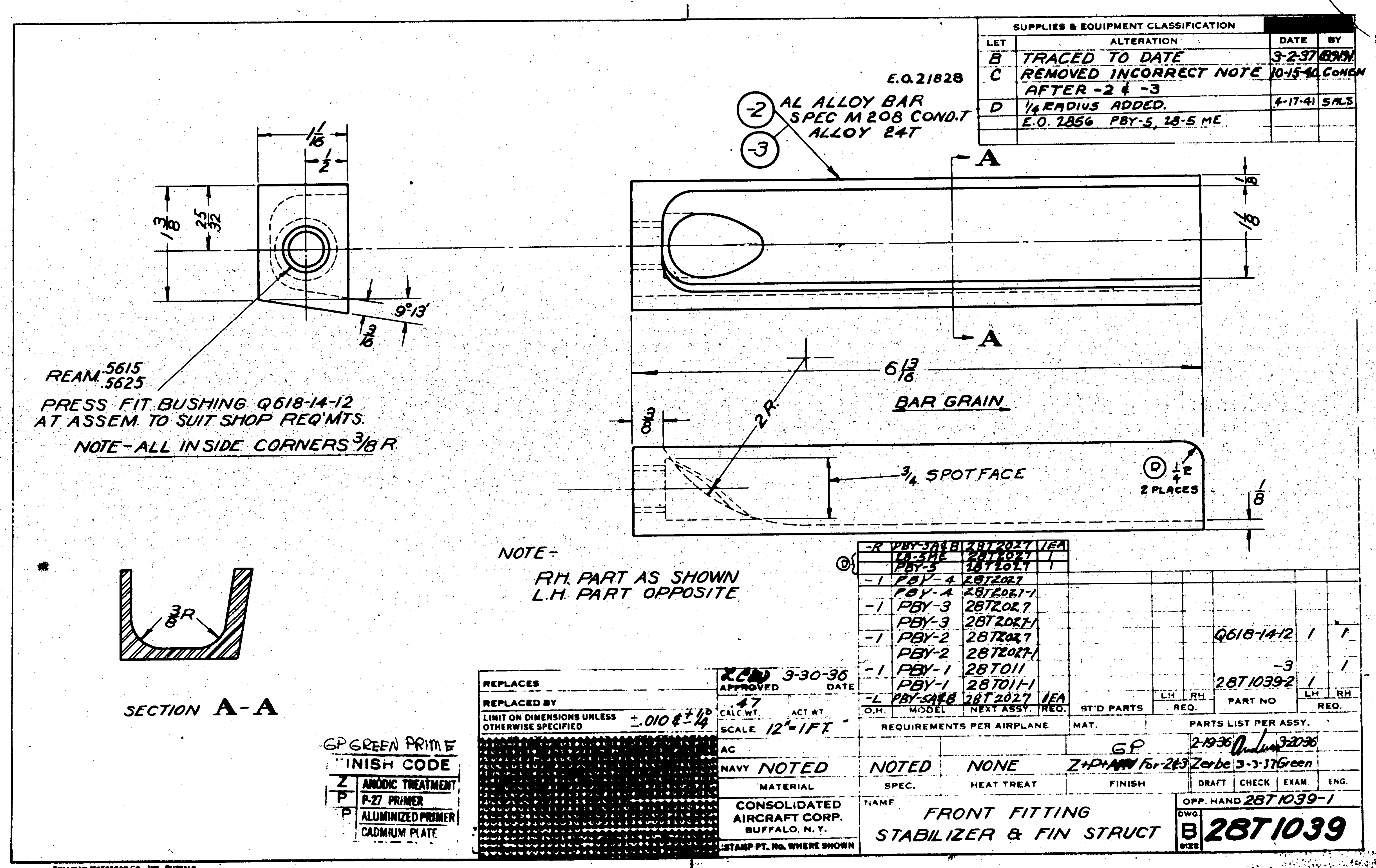
REPLACES	
REPLACED BY	
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	± .010
[redacted]	

APPROVED: RCW	DATE: 3-13-36							
CALC.WT.: .10	ACT.WT.							
SCALE 12" = 1 FT.								
AC					2-17-36	Andrews	3-5-36	
NAVY AL. ALLOY FORGING	NOTED	NONE	NONE		Zerbe	3-4-37	Green	
MATERIAL	SPEC.	HEAT TREAT	FINISH		DRAFT	CHECK	EXAM.	ENG.

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N. Y.	NAME: FITTING - TAIL - STABILIZER ATTACHMENT - INTER SPAR	OPP. HAND
STAMP PT. No. WHERE SHOWN		DWG. SIZE B 28T1037

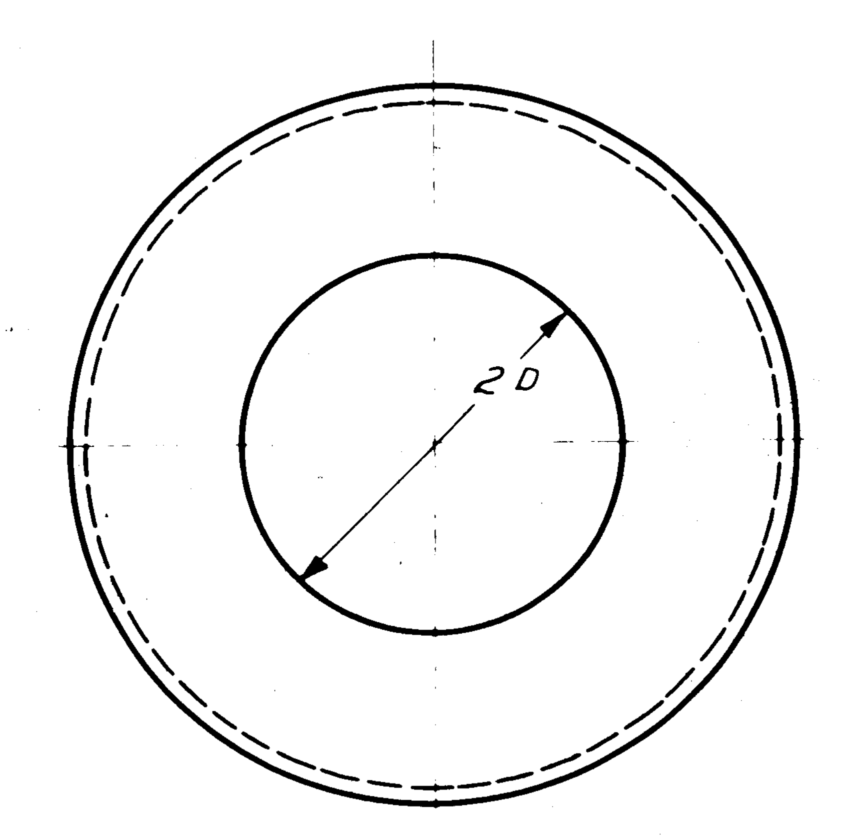
SULLIVAN-McKEEGAN CO., INC. BUFFALO
IMPERIAL TRACING CLOTH

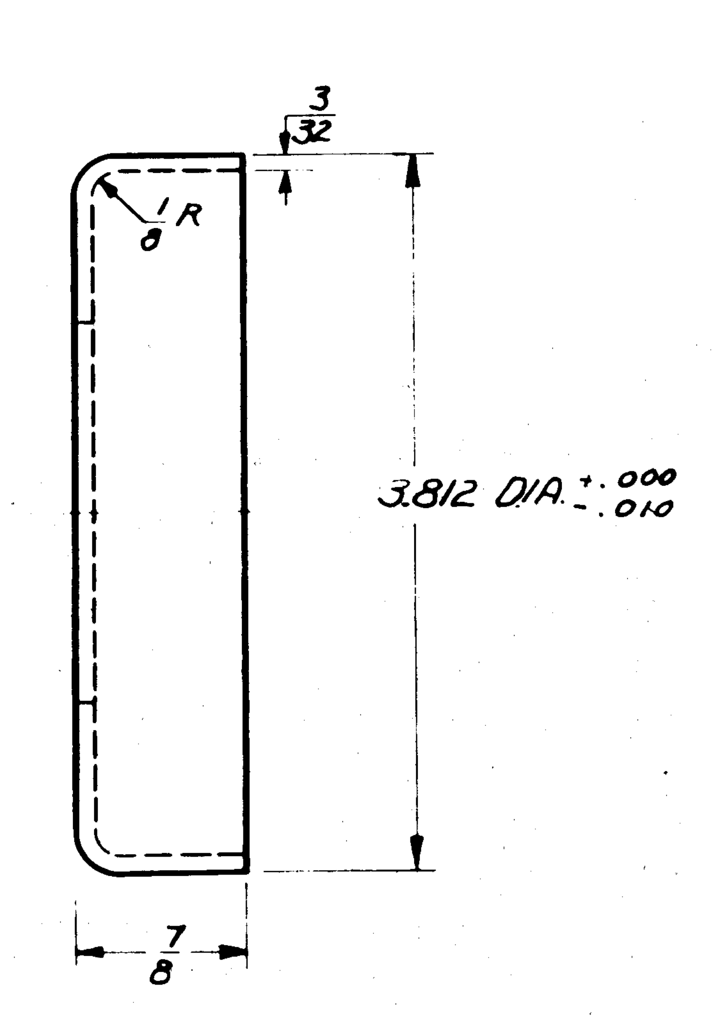

SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
D | TRACED TO DATE | 3-3-37
E | ADDED .010 MIN.-.032 MIN. RADIUS | 11-6-40 | SINGER
F | ADDED 3/16 RADIUS | 4-17-41
PBY-6 E.O.27546
PBY-5 28-5ME E.O.2855
AL. ALLOY BAR
SPEC. M208 COND. T
ALLOY 24 T
E
.010 MIN.- .032 MAX. RADIUS
A
A
1
1/2
3/16
11/16
1/8
1 1/8
1/8
REAM .624 .625
7 23/32
BAR GRAIN
F
3/16 R
7/16
2R
NOTE:- ALL INSIDE CORNERS 3/8 R.
3/16
1/16
.070
1/4 R.
19/32
GP GREEN PRIME
7/8 DIA. SPOTFACE
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
3/8 R
SECTION A-A
28-5ME 28T1007 2
PBY-5 28T1007 2
PBY-4 28T1007
PBY-3 28T1007
PBY-2 28T1007
PBY-1 28T1007
PBY-5A 28T1007 2EA
O.H. MODEL NEXT ASSY. REQ.
ST'D PARTS
LH RH REQ.
PART NO.
LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
3-30-36
APPROVED DATE
.31
CALC.WT. ACT.WT.
SCALE 12" = 1FT
AC
NAVY NOTED
MATERIAL
NOTED
SPEC.
NONE
HEAT TREAT
Z+P
GP
FINISH
2-18-36
3-20-36
Zerbe 3-3-37 Green
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
REAR FITTING
STABILIZER & FIN STRUCTURE
OPP HAND
DWG. B SIZE
28T1038



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B | TRACED TO DATE | 3-2-37
C | REMOVED INCORRECT NOTE AFTER -2 & -3 | 10-15-40 | COHEN
D | 1/4 RADIUS ADDED. E.O. 2856 PBY-5, 28-5 ME | 4-17-41 | SALS
E.O. 21828
-2 -3 AL ALLOY BAR SPEC M 208 COND.T ALLOY 24T
A
A
1 1/16
1/2
1 3/8
25/32
9°13'
3/16
REAM .5615 .5625
PRESS FIT BUSHING Q618-14-12 AT ASSEM. TO SUIT SHOP REQ'MTS.
NOTE - ALL INSIDE CORNERS 3/8 R.
1/8
1 1/8
6 13/16
BAR GRAIN
3/16
2R
3/4 SPOTFACE
D 1/4 R 2 PLACES
1/8
NOTE - RH. PART AS SHOWN L.H. PART OPPOSITE
3/8 R
SECTION A-A
-R | PBY-5A&B | 28T2027 | 1EA
28-5ME | 28T2027 | 1
PBY-5 | 28T2027 | 1
-1 | PBY-4 | 28T2027
PBY-4 | 28T2027-1
-1 | PBY-3 | 28T2027
PBY-3 | 28T2027-1
-1 | PBY-2 | 28T2027
PBY-2 | 28T2027-1
-1 | PBY-1 | 28T011
PBY-1 | 28T011-1
-L | PBY-5A&B | 28T2027 | 1EA
O.H. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
ST'D PARTS | MAT.
Q618-14-12 | 1 | 1
-3 | 1
28T1039-2 | 1
LH RH REQ. | PART NO. | LH RH REQ.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±.010 & ±1/4°
APPROVED 3-30-36 DATE
.47 CALC. WT. ACT. WT.
SCALE 12" = 1 FT.
AC
NAVY NOTED | NOTED | NONE | Z+P+ For-2&3
MATERIAL | SPEC. | HEAT TREAT | FINISH
GP
2-19-36 | 3-20-36
Zerbe | 3-3-37 | Green
DRAFT | CHECK | EXAM. | ENG.
GP GREEN PRIME
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
P ALUMINIZED PRIMER
CADMIUM PLATE
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME FRONT FITTING STABILIZER & FIN STRUCT
OPP. HAND 28T1039-1
DWG. B SIZE 28T1039

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
D	TRACED UP TO DATE	9-8-37	[illegible]





FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

NOTE:- BREAK EDGES $\frac{1}{64}$ RADIUS

O.H.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.
	PBY-5B	28T3010	2						
	PBY-5A	28T3010	2						
	PBY-4	28T3010							
	PBY-3	28T3010							
	PBY-2	28T2036							
REQUIREMENTS PER AIRPLANE				MAT.	PARTS LIST PER ASSY.				

REPLACES 28T2009 of 9-1-36
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010

[redacted]

APPROVED [illegible] DATE 12-10-36
.17 CALC. WT. | ACT. WT.
SCALE 12" = 1'-0"

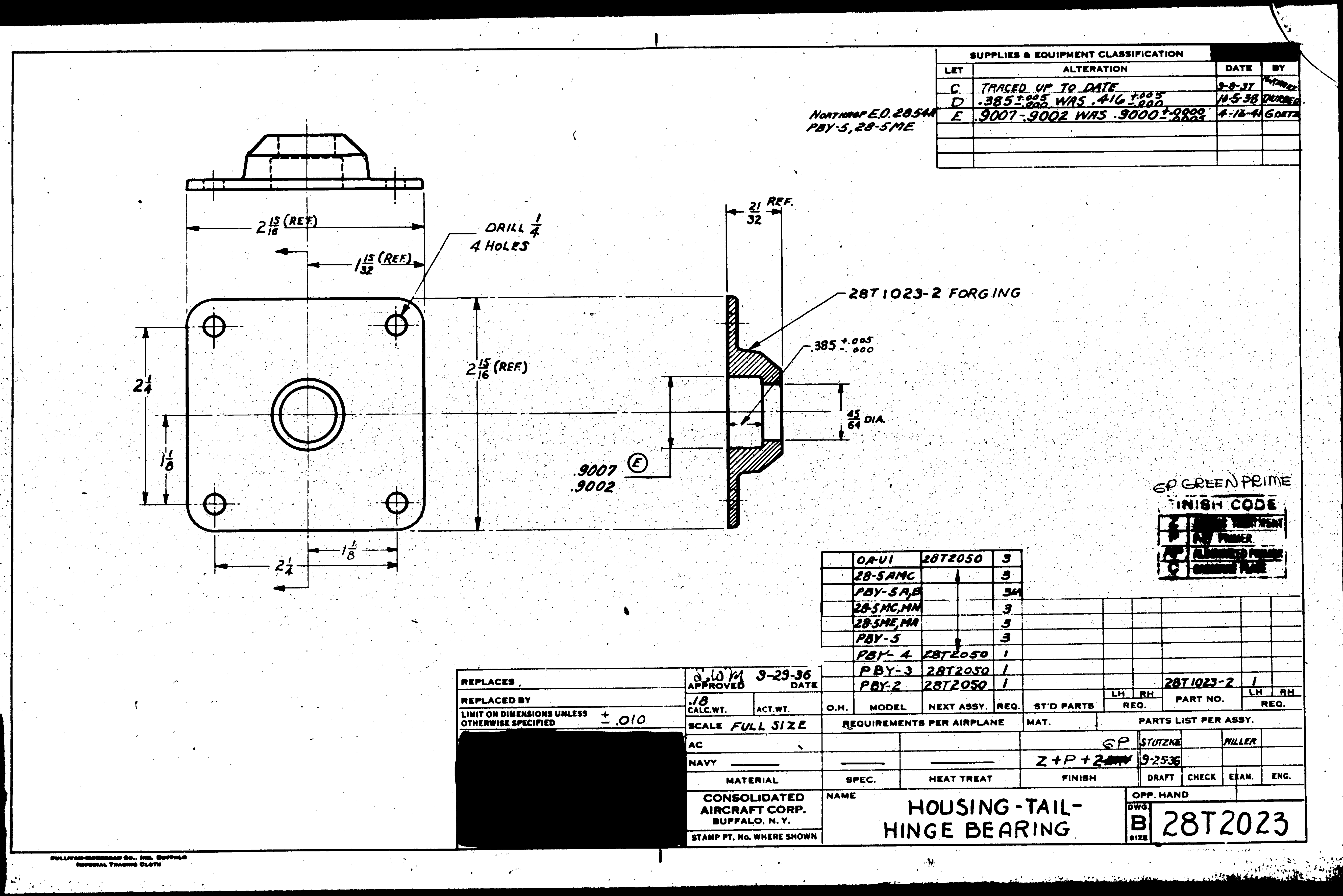
MATERIAL	SPEC.	HEAT TREAT	FINISH	DRAFT	CHECK	EXAM.	ENG.
AC				J. TOWER		GREEN	
NAVY .051 AL. ALLOY SHEET	47A10 COND. A	SR53 (COND. T)	Z+P	11-21-36		12-9-36	

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N. Y.
STAMP PT. No. WHERE SHOWN

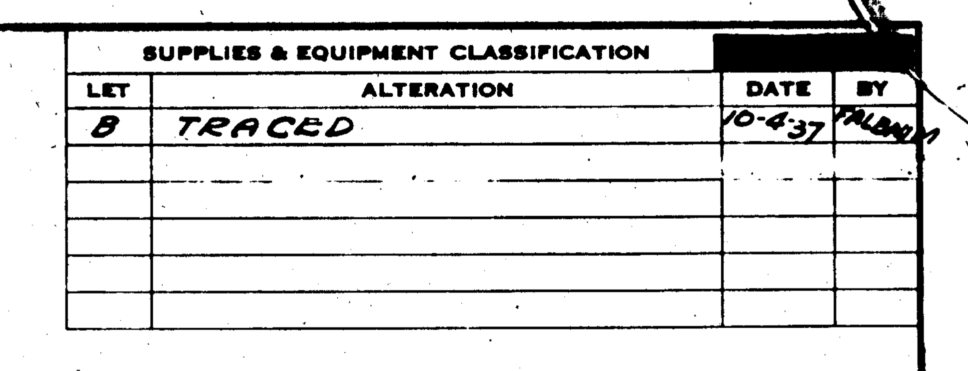
NAME FLANGE - (HORN) ELEVATOR TORQUE TUBE

OPP. HAND

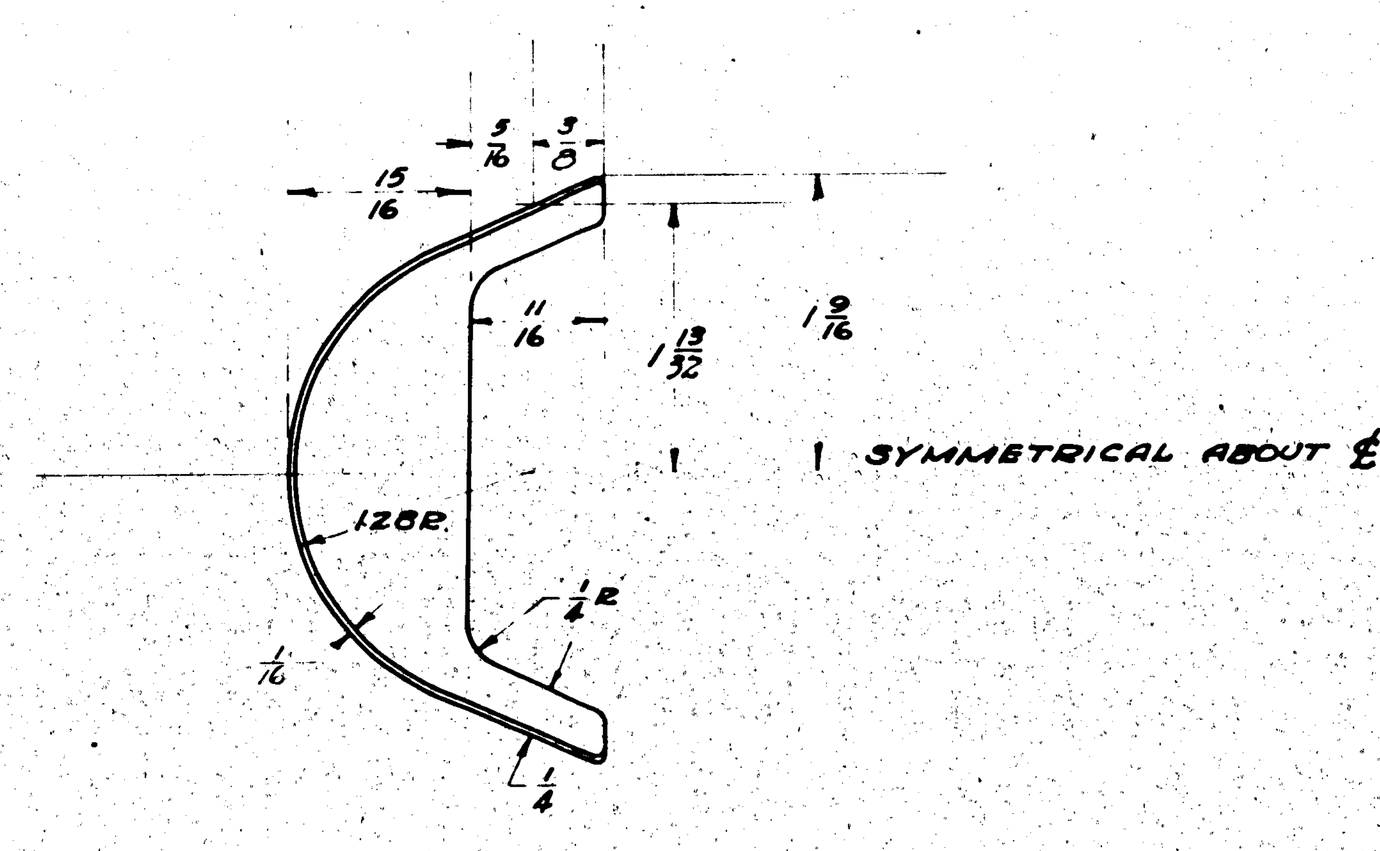
DWG. SIZE B 28T2009

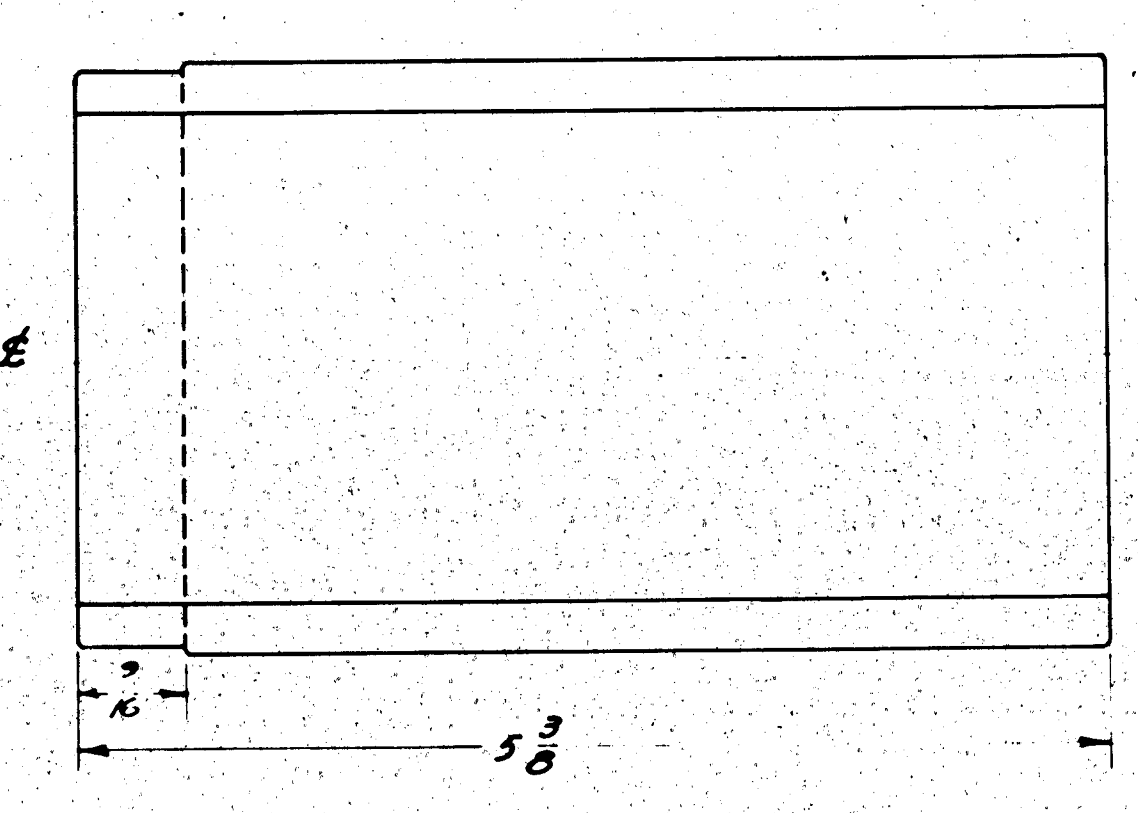


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C TRACED UP TO DATE
D .385 +.005 -.000 WAS .416 +.005 -.000 10-5-38
E .9007-.9002 WAS .9000 +.0000 -.0003 4-16-41
NORTHROP E.O. 2854A
PBY-5, 28-5ME
2 15/16 (REF.)
1 15/32 (REF.)
DRILL 1/4
4 HOLES
21/32 REF.
28T1023-2 FORGING
.385 +.005 -.000
2 1/4
1 1/8
2 15/16 (REF.)
45/64 DIA.
.9007
.9002
2 1/4
1 1/8
GP GREEN PRIME
FINISH CODE
OA-U1 28T2050 3
28-5AMC 3
PBY-5A,B
28-5MC,MN 3
28-5ME,MA 3
PBY-5 3
PBY-4 28T2050 1
PBY-3 28T2050 1
PBY-2 28T2050 1
28T1023-2 1
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
[redacted]
9-29-36
APPROVED DATE
.18
CALC.WT. ACT.WT.
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
SCALE FULL SIZE
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
AC
NAVY
GP
Z+P+2
STUTZKE
MILLER
9-25-36
MATERIAL SPEC. HEAT TREAT FINISH DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
HOUSING-TAIL-HINGE BEARING
OPP. HAND
DWG. SIZE B
28T2023



SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
B	TRACED	10-4-37	TALBOTT





GP-GROUND PRIME

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

MATERIAL NOTE:-
MAKE FROM COMMERCIAL CAST IRON.
WEIGHT = 2.9 - 3.0 LBS.

O. H.	MODEL	NEXT ASSY.	REQ.
	PBY-5B	28T2003	2
	PBY-5A	28T2003	2
	PBY-4	28T2003-1	1
	PBY-4	28T2003	
	PBY-3	28T2003-1	1
	PBY-3	28T2003	1
	PBY-2	28T2003-1	1
	PBY-2	28T2003	1

REQUIREMENTS PER AIRPLANE

ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.	LH REQ.	RH REQ.	LH REQ.	RH REQ.	LH REQ.	RH REQ.	LH REQ.	RH REQ.
MAT.			PARTS LIST PER ASSY.										

REPLACES	APPROVED: RWM	DATE
REPLACED BY	CALC. WT.: 2.94 J.B.J.	ACT.WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED +	SCALE: 12" = 1'-0"	

[redacted]

A C				DRAFT	CHECK	EXAM.	ENG.
				R.J. NELSON	M.E. ALDRICH	MOFFATT	
NAVY	NOTED	NOTED	NOTED	C-RE GP	6-8-37	6-8-37		
MATERIAL	SPEC.	HEAT TREAT	FINISH				

CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN

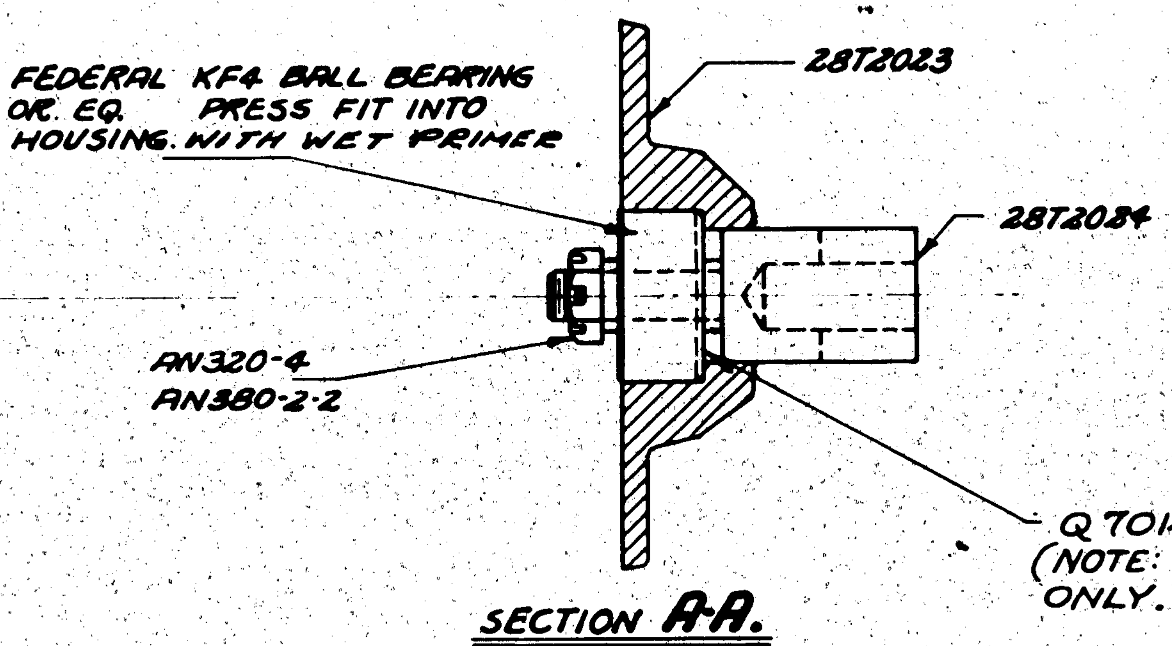
NAME WEIGHT - ELEVATOR DYNAMIC BALANCE

OPP. HAND

DWG. B SIZE 28T2048

SUPPLIES & EQUIPMENT CLASSIFICATION	[redacted]		
LET	ALTERATION	DATE	BY
C	TRACED UP TO DATE	2-15-38	Roger

A — A



NOTE

AFTER BEARING HAS BEEN PRESSED IN, FILL HOUSING #28T2023 WITH PETROLEUM JELLY OR EQUIVALENT. THEN INSERT PIN #28T2024.

Q7014-D44-.014 WASHER
(NOTE: USED ON PBY-2 & PBY-3 SHIPS IN SERVICE ONLY. DO NOT FURNISH WITH SPARES.)

O.H.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.
	PBY-5A&B	28T5096	1EA						
	PBY-5A&B	28T5001	2EA						
	PBY-4	28T2005	2						
	PBY-4	28T2001	2						
	PBY-3	28T2005	2						
	PBY-3	28T2001	2						
	PBY-2	28T2005	2	AN380-2-2	1		28T2024	1	
	PBY-2	28T2001	2	AN320-4	1		28T2023	1	

REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.

REPLACES	LCW APPROVED	2-4-38 DATE
REPLACED BY	.31 SMF CALC. WT.	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± —	12"=1'-0" SCALE	

[redacted]

	MATERIAL	SPEC.	HEAT TREAT	FINISH
A C				
NAVY	NONE	NONE	NONE	NONE.

DRAFT	CHECK	EXAM.	ENG.
Stutzke 9-25-36		Miller	T.P.H.

CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.

STAMP PT. NO. WHERE SHOWN

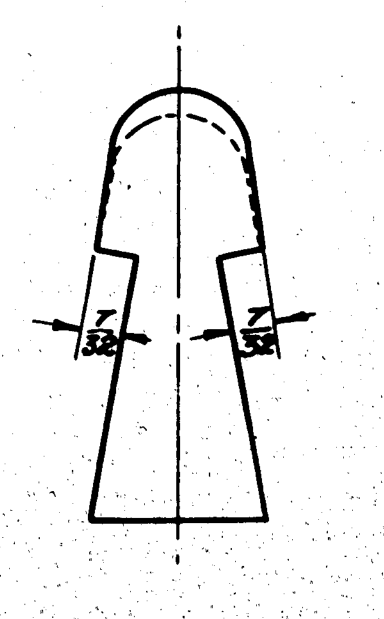
NAME HINGE BEARING ASSEMBLY - TAIL.

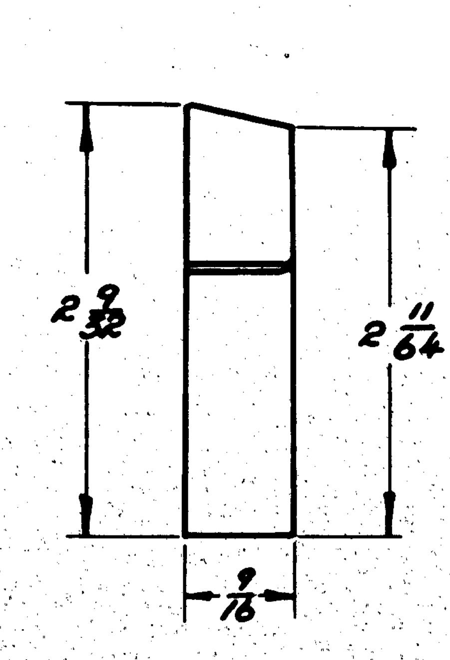
OPP. HAND

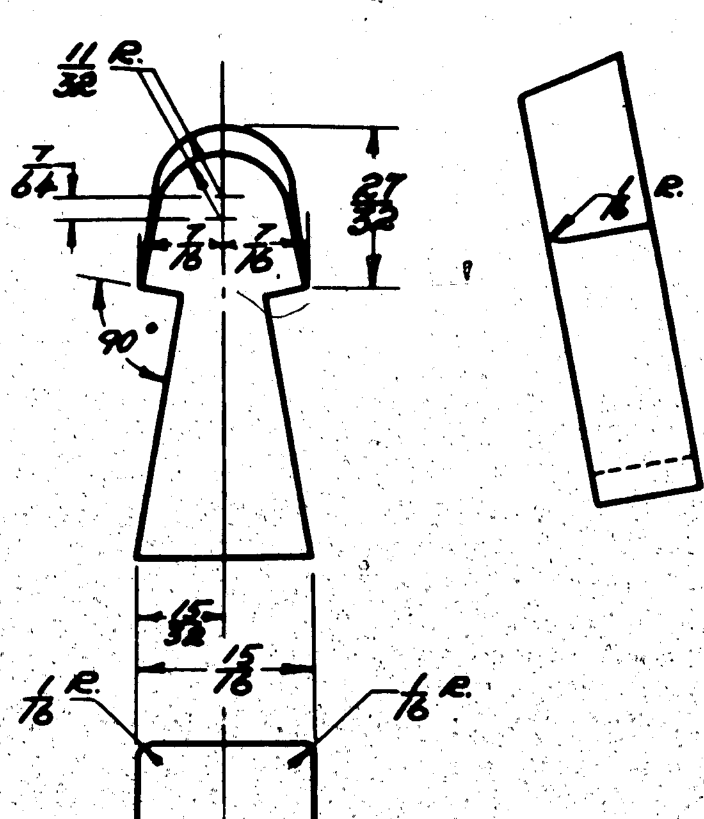
DWG. SIZE B 28T2050

PRINTED ON "IMPERIAL" TRACING CLOTH K & E CO., N.Y.

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
A	TRACED	1-30-39	KENNEDY







1/16 R.

USE THIS PART IN PLACE OF 28T2051-69

GP GREEN PRIME

FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

O.H.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.
	PBY-5B	28T2051	2						
	PBY-5A	28T2051	2						
	PBY-4	28T2051-1							
	PBY-4	28T2051							
REQUIREMENTS PER AIRPLANE				MAT.	PARTS LIST PER ASSY.				

REPLACES	
REPLACED BY	
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	± .015 ± 1/2°

[redacted]

APPROVED L.C.W.	DATE 1-30-39
CALC.WT. .07	ACT.WT.
SCALE FULL "=1'-0"	
AC	
NAVY AL. ALLOY CASTINGS	
MATERIAL	

SPEC.	HEAT TREAT	FINISH	DRAFT	CHECK	EXAM.	ENG.
		GP	HOLSTER	LARSON	MALLER	
46A1 CLASS 4		Z-P-[illegible]	12-10-37	AR-17-30		

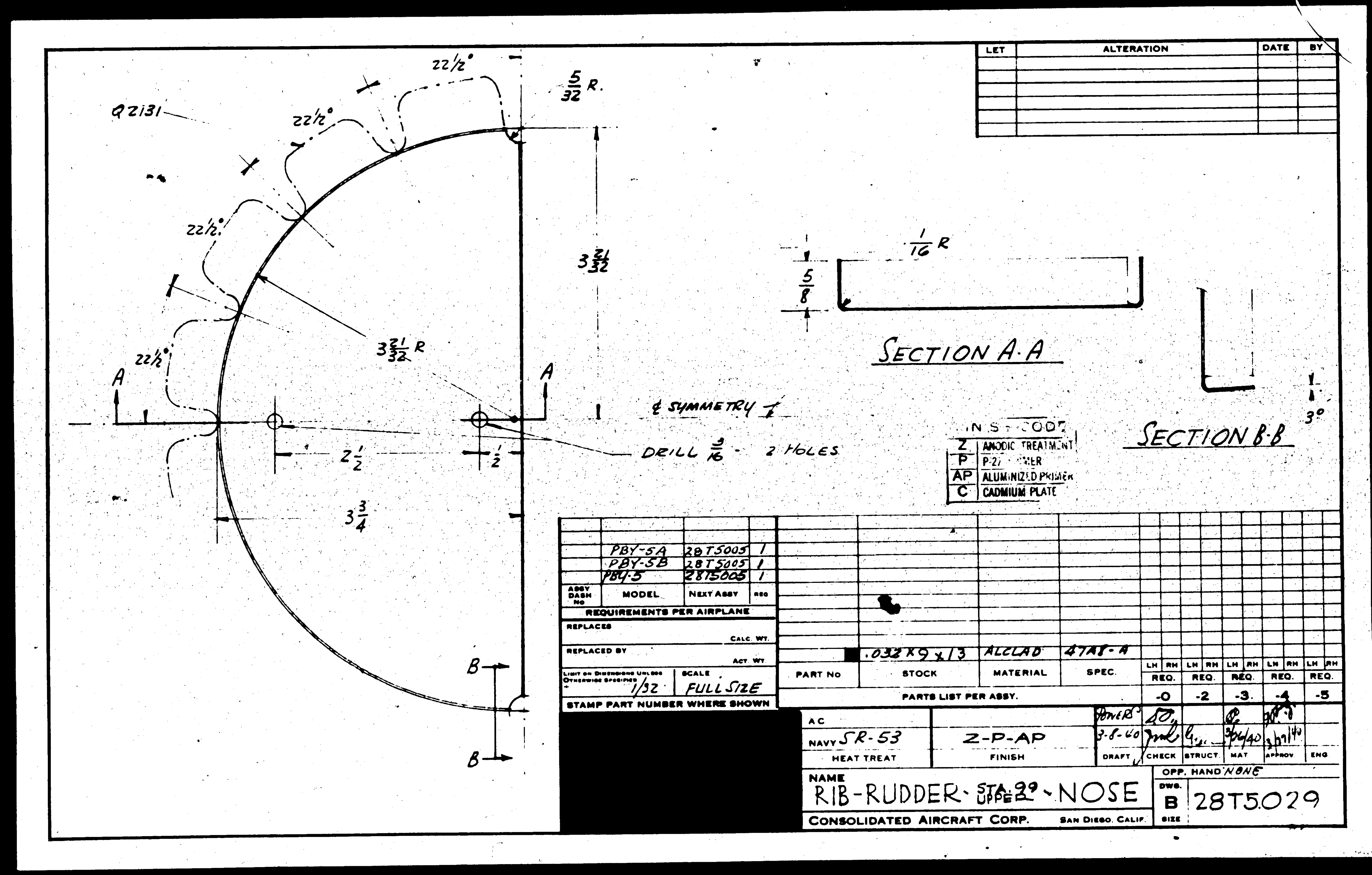
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N. Y.

STAMP PT. No. WHERE SHOWN

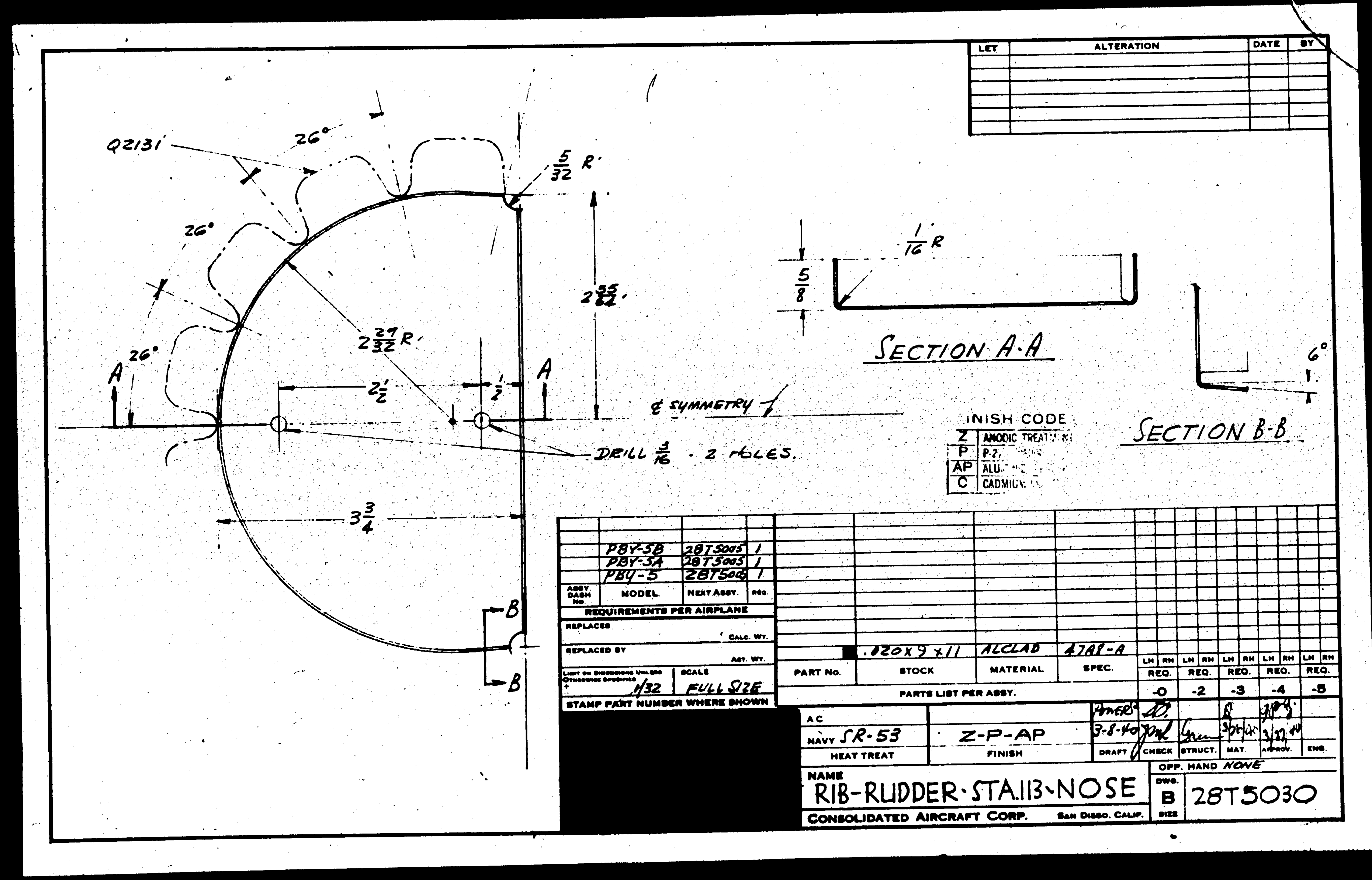
NAME: SPACER BLOCK – STABILIZER TIP

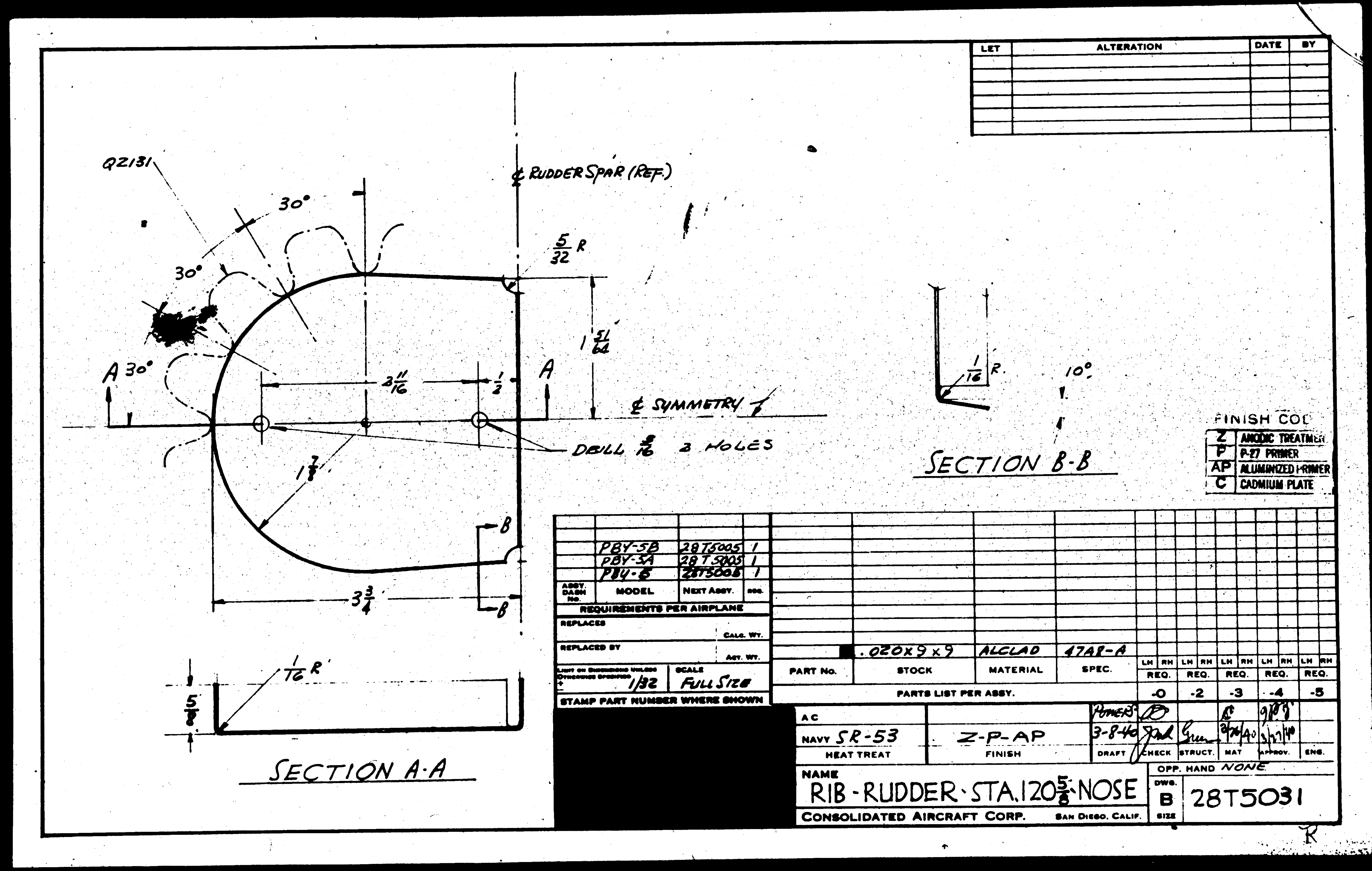
OPP. HAND

DWG. SIZE B 28T4010

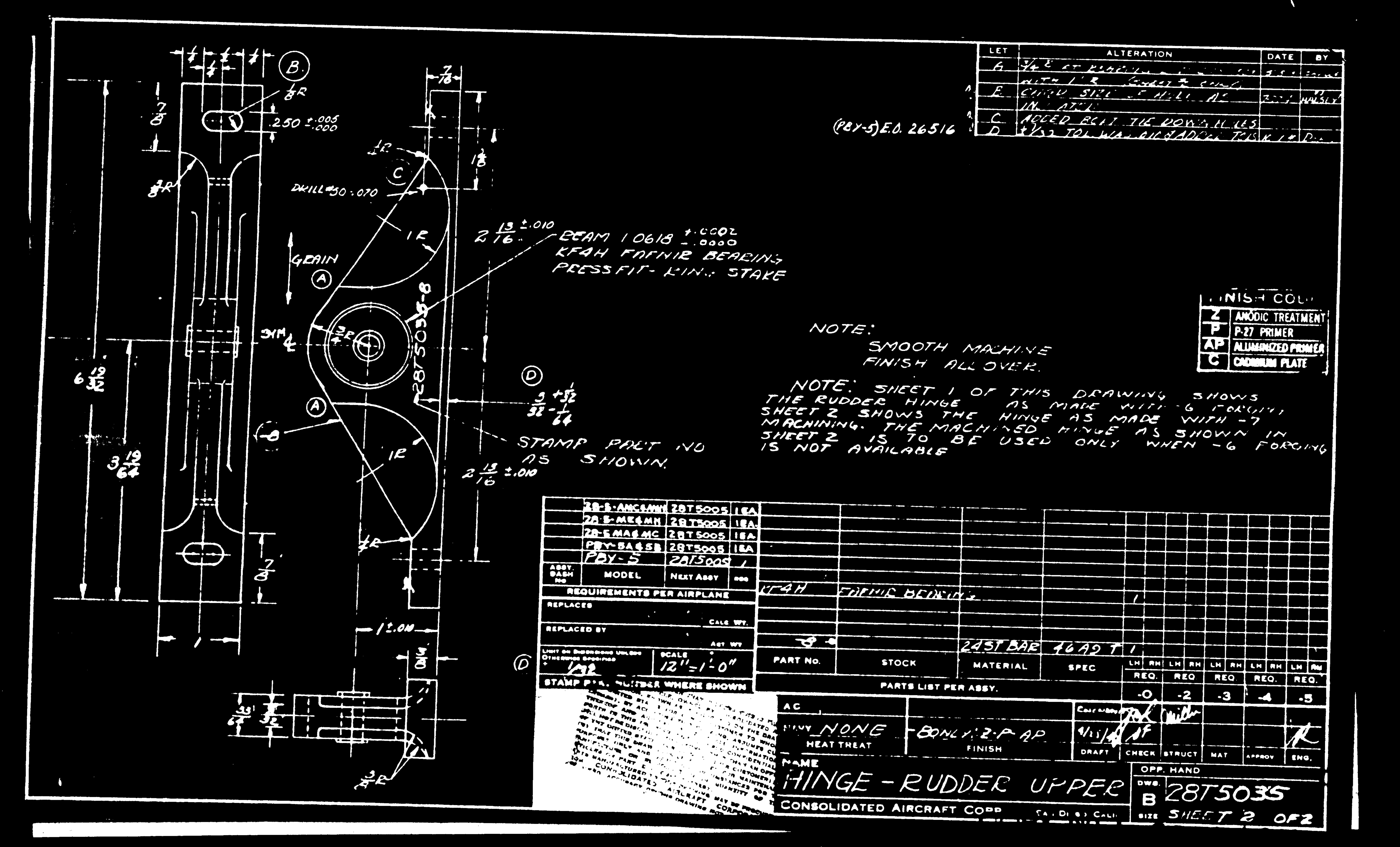


LET
ALTERATION
DATE
BY
Q2131
22½°
22½°
22½°
22½°
5/32 R.
3 21/32
3 21/32 R
A
A
℄ SYMMETRY
2 1/2
1/2
3 3/4
DRILL 3/16 - 2 HOLES
B
B
1/16 R
5/8
SECTION A-A
SECTION B-B
3°
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
PBY-5A 28T5005 1
PBY-5B 28T5005 1
PBY-5 28T5005 1
ASSY DASH No
MODEL
NEXT ASSY
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE FULL SIZE
STAMP PART NUMBER WHERE SHOWN
.032 X 9 X 13
ALCLAD
24ST-A
PART No
STOCK
MATERIAL
SPEC.
LH RH REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
AC
NAVY SR-53
HEAT TREAT
Z-P-AP
FINISH
3-8-40
3/26/40
DRAFT
CHECK
STRUCT.
MAT
APPROV
ENG
OPP. HAND NONE
NAME
RIB-RUDDER-STA. 29 UPPER-NOSE
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
DWG. SIZE B
28T5029

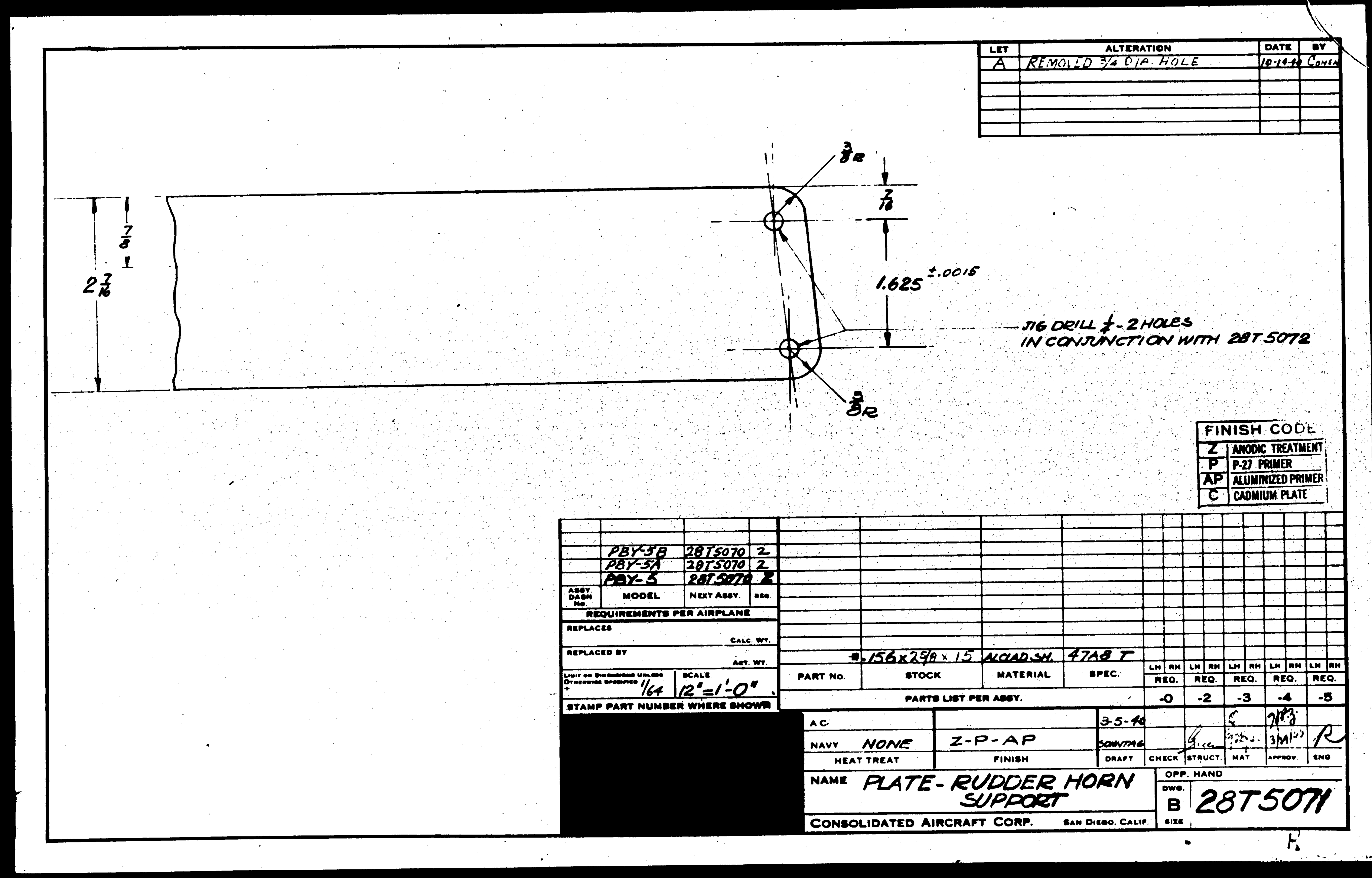

LET
ALTERATION
DATE
BY
Q2131
26°
26°
26°
5/32 R
2 35/64
2 27/32 R
A
A
2 1/2
1/2
℄ SYMMETRY
DRILL 3/16 · 2 HOLES.
3 3/4
B
B
1/16 R
5/8
SECTION A-A
6°
SECTION B-B
FINISH CODE
Z ANODIC TREATMENT
P P-27
AP ALUM
C CADMIUM
PBY-5B 28T5005 1
PBY-5A 28T5005 1
PBY-5 28T5005 1
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE FULL SIZE
STAMP PART NUMBER WHERE SHOWN
[redacted]
.020 x 9 x 11
ALCLAD
47A8-A
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ. -0
LH RH REQ. -2
LH RH REQ. -3
LH RH REQ. -4
LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY SR-53
HEAT TREAT
Z-P-AP
FINISH
Rmers 3-8-40
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
OPP. HAND NONE
NAME
RIB-RUDDER-STA.113-NOSE
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
DWG. B SIZE
28T5030



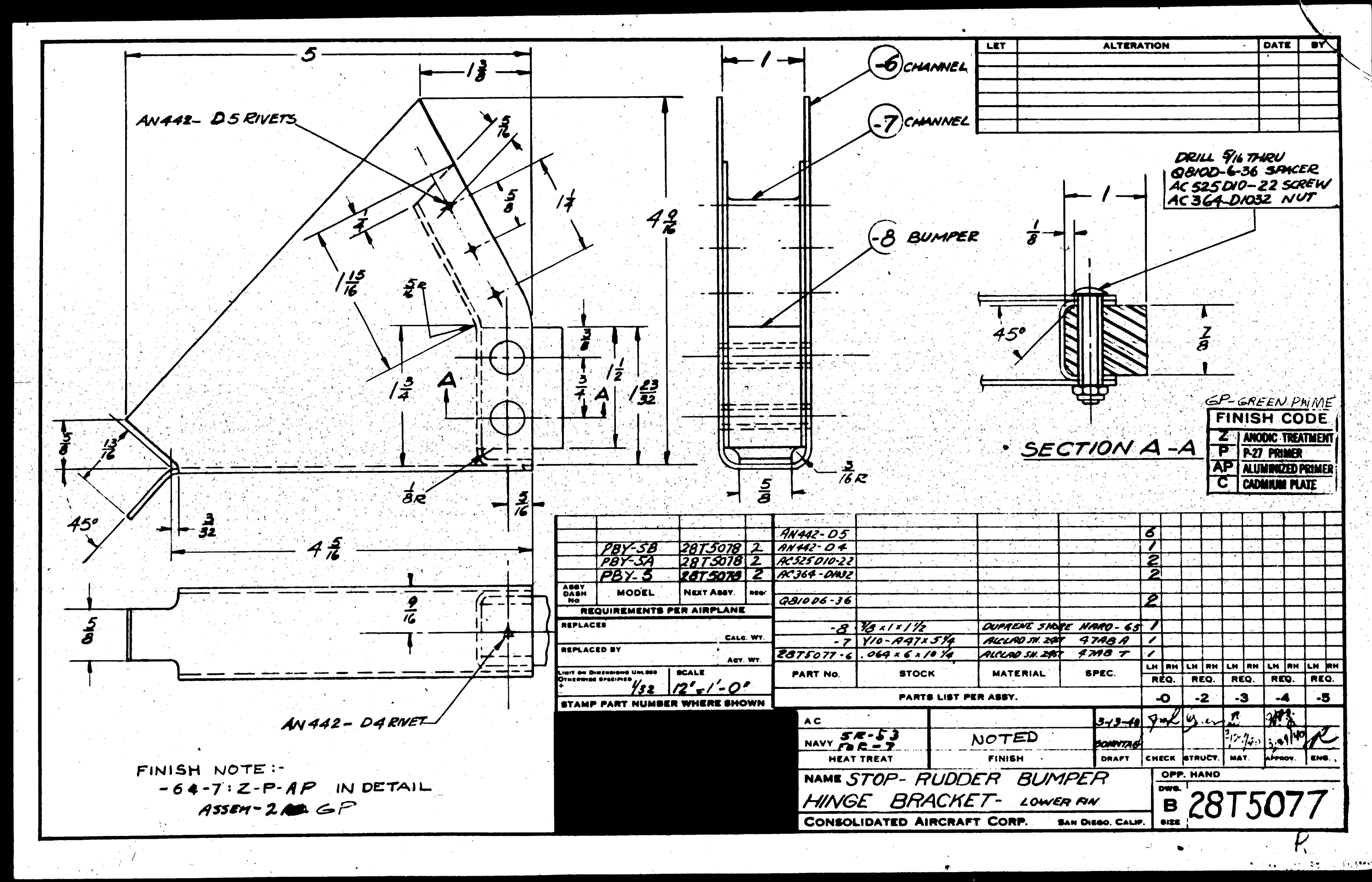
LET
ALTERATION
DATE
BY
Q2131
30°
30°
A 30°
℄ RUDDER SPAR (REF.)
5/32 R
1 51/64
2 11/16
1/2
A
℄ SYMMETRY
DRILL 3/16 2 HOLES
1 7/8
3 3/4
B
B
SECTION A-A
1/16 R
5/8
1/16 R.
10°
SECTION B-B
FINISH COD
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
PBY-5B 28T5005 1
PBY-5A 28T5005 1
PBY-5 28T5005 1
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
1/32
FULL SIZE
STAMP PART NUMBER WHERE SHOWN
.020 X 9 X 9
ALCLAD
47A8-A
PART No.
STOCK
MATERIAL
SPEC.
LH RH
REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
AC
NAVY SR-53
HEAT TREAT
Z-P-AP
FINISH
3-8-40
DRAFT
CHECK
STRUCT.
MAT
APPROV.
ENG.
OPP. HAND NONE
NAME
RIB-RUDDER-STA.120 5/8-NOSE
DWG.
B
SIZE
28T5031
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.



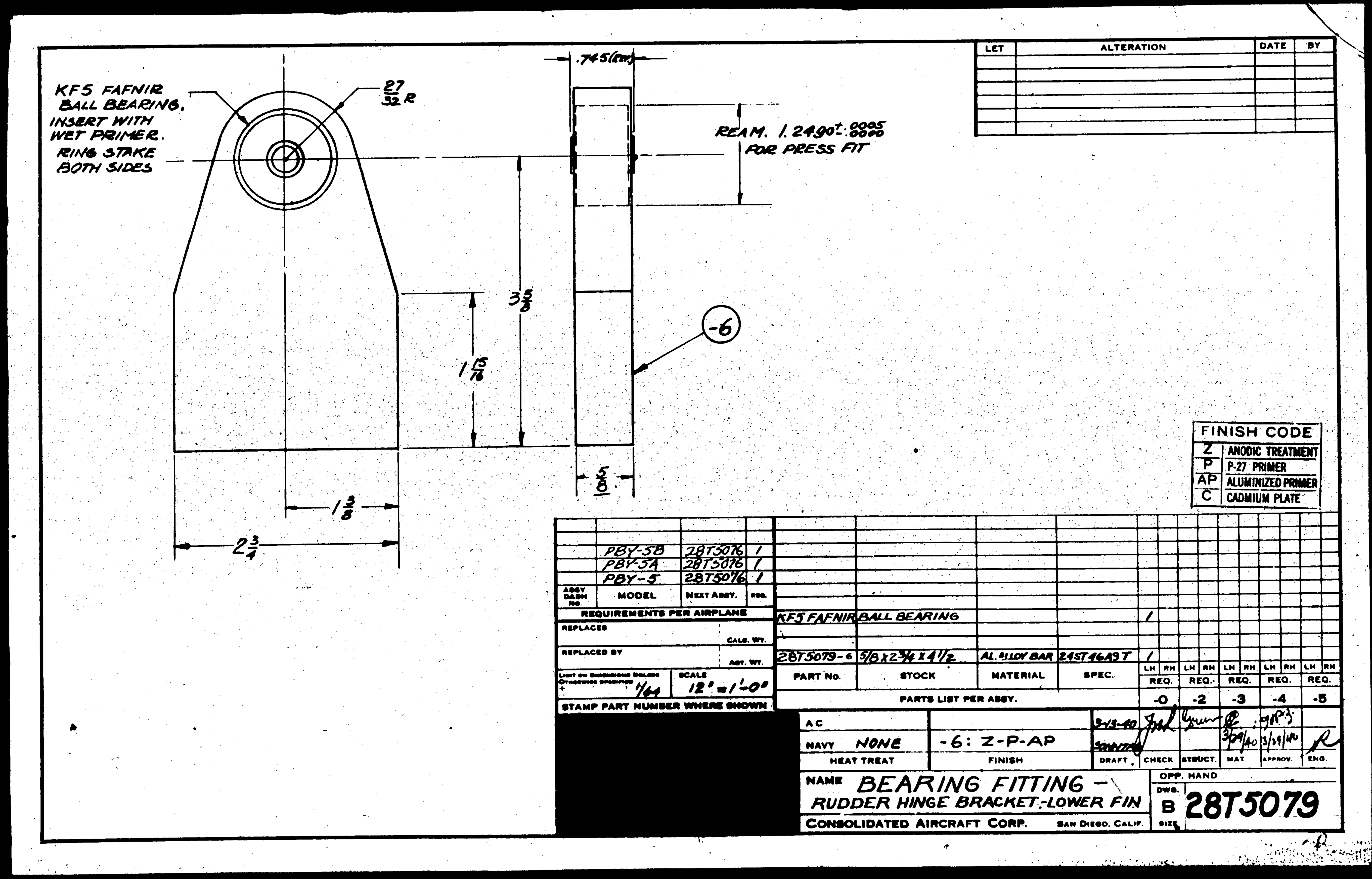
(PBY-5) E.O. 26516
LET
ALTERATION
DATE
BY
NOTE:
SMOOTH MACHINE FINISH ALL OVER.
NOTE: SHEET 1 OF THIS DRAWING SHOWS THE RUDDER HINGE AS MADE WITH -6 FORGING SHEET 2 SHOWS THE HINGE AS MADE WITH -7 MACHINING. THE MACHINED HINGE AS SHOWN IN SHEET 2 IS TO BE USED ONLY WHEN -6 FORGING IS NOT AVAILABLE
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
BEAM 1.0618 +.0002 -.0000
KF4H FAFNIR BEARING
PRESS FIT - RING STAKE
STAMP PART NO AS SHOWN.
GRAIN
DRILL #50 .070
.250 +.005 -.000
28T5035-8
28-5-AMC&MN 28T5005 1EA
28-5-ME&MN 28T5005 1EA
28-5-MA&MC 28T5005 1EA
PBY-5A&5B 28T5005 1EA
PBY-5 28T5005 1
ASSY. DASH NO
MODEL
NEXT ASSY
REQUIREMENTS PER AIRPLANE
REPLACES
REPLACED BY
SCALE 12"=1'-0"
STAMP PART NUMBER WHERE SHOWN
KF4H FAFNIR BEARING 1
-8 24ST BAR 46A9 T 1
PART NO.
STOCK
MATERIAL
SPEC
REQ.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
NAVY NONE
HEAT TREAT
BONLY: Z-P-AP
FINISH
DRAFT
CHECK
STRUCT
MAT
APPROV
ENG.
NAME
HINGE - RUDDER UPPER
OPP. HAND
DWG. B 28T5035
SIZE SHEET 2 OF 2
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF.

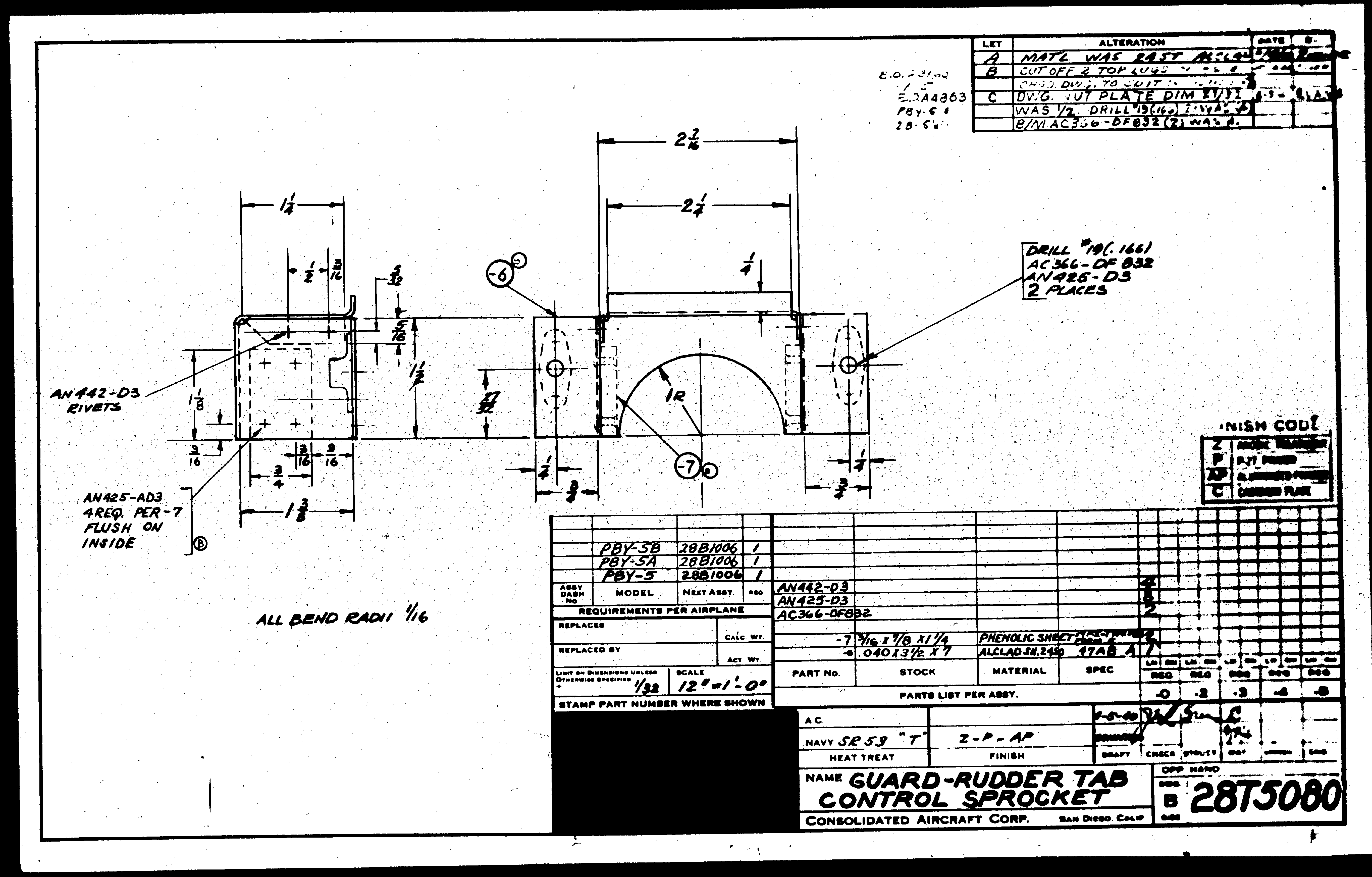


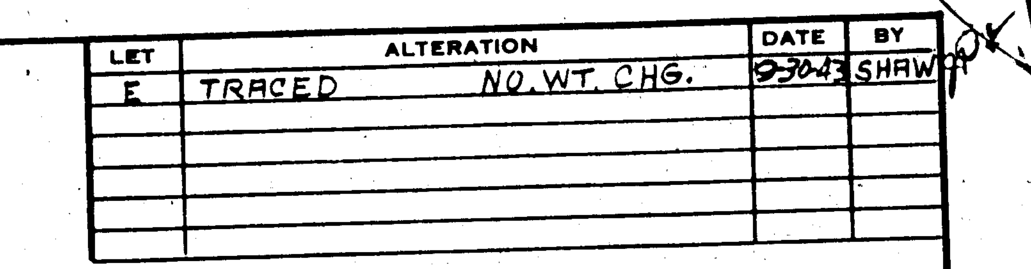
LET | ALTERATION | DATE | BY
A | REMOVED 3/4 DIA. HOLE | 10-14-40 | COMEN
3/8 R
7/16
7/8
2 7/16
1.625 ±.0015
JIG DRILL 1/4 - 2 HOLES
IN CONJUNCTION WITH 28T5072
3/8 R
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
PBY-5B 28T5070 2
PBY-5A 28T5070 2
PBY-5 28T5070 2
ASSY. DASH No. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
-0 .156 x 2 5/8 x 15 ALCLAD SH. 47A8 T
PART No. | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
PARTS LIST PER ASSY.
A.C.
NAVY NONE
HEAT TREAT
Z-P-AP
FINISH
3-5-40
SONNTAG
DRAFT | CHECK | STRUCT. | MAT | APPROV. | ENG
NAME PLATE - RUDDER HORN SUPPORT
OPP. HAND
DWG. B SIZE
28T5071
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



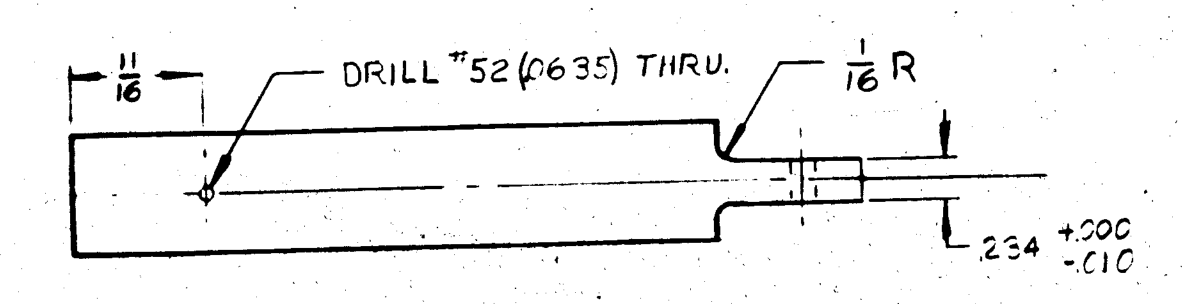
LET | ALTERATION | DATE | BY
5
1 3/8
AN442- D5 RIVETS
5/16
5/8
1 1/4
1/4
4 9/16
1 15/16
5/16 R
3/8
1 3/4
A
3/4
A
1 1/2
1 23/32
5/8
13/16
1/8 R
5/16
45°
3/32
4 5/16
1
9/16
5/8
AN442- D4 RIVET
FINISH NOTE:-
-6 & -7: Z-P-AP IN DETAIL
ASSEM-2 GP
1
-6 CHANNEL
-7 CHANNEL
-8 BUMPER
5/8
3/16 R
DRILL 5/16 THRU
Q8100-6-36 SPACER
AC 525 D10-22 SCREW
AC 364-D1032 NUT
1
1/8
45°
7/8
SECTION A-A
GP-GREEN PRIME
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
PBY-5B 28T5078 2
PBY-5A 28T5078 2
PBY-5 28T5078 2
ASSY DASH NO | MODEL | NEXT ASSY. | REQ
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
AN442-D5 6
AN442-D4 1
AC525D10-22 2
AC364-D1032 2
Q8100G-36 2
-8 3/8 x 1 x 1 1/2 DUPRENE SHORE HARD-65 1
-7 Y10-A47 x 5 1/4 ALCLAD SH. 24ST 4748A 1
28T5077-6 .064 x 6 x 10 1/4 ALCLAD SH. 24ST 4748 T 1
PART No. | STOCK | MATERIAL | SPEC. | LH RH REQ. -0 | -2 | -3 | -4 | -5
PARTS LIST PER ASSY.
AC
NAVY SR-53 FR-7
HEAT TREAT
NOTED
FINISH
3-13-40
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
OPP. HAND
NAME STOP- RUDDER BUMPER
HINGE BRACKET- LOWER FIN
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
DWG. B 28T5077
SIZE

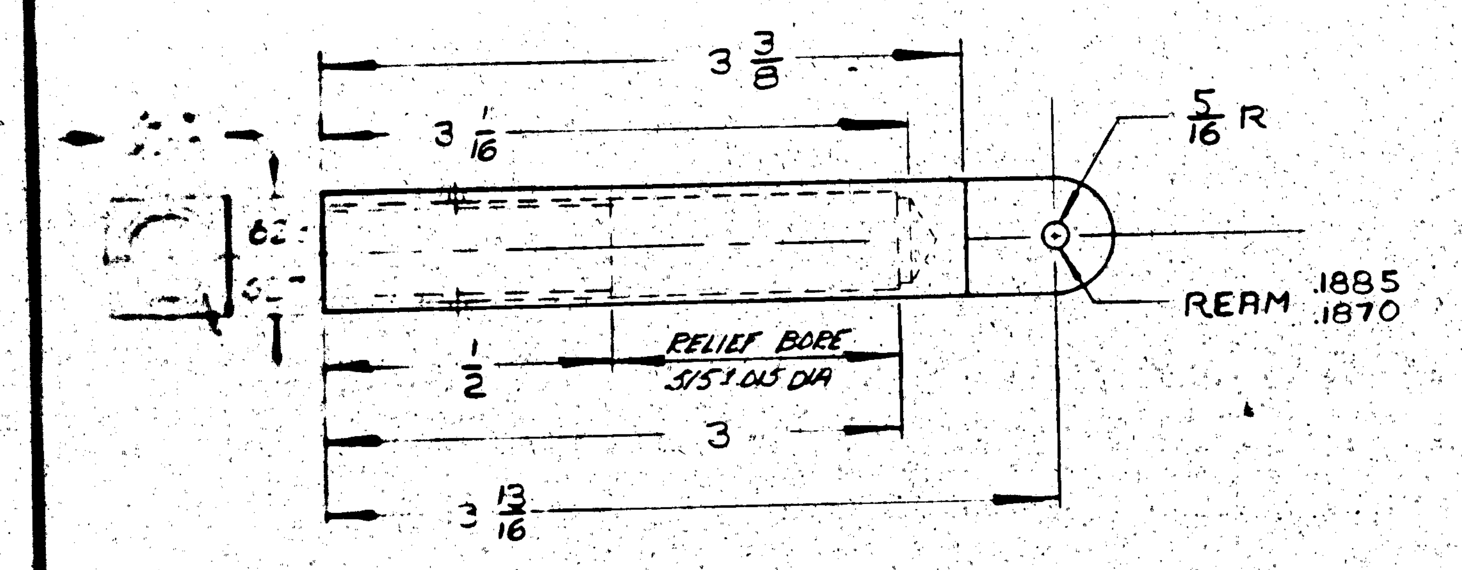

KF5 FAFNIR BALL BEARING, INSERT WITH WET PRIMER. RING STAKE BOTH SIDES
27/32 R
.745 (REF.)
REAM. 1.2490 +.0005 -.0000 FOR PRESS FIT
3 5/8
1 15/16
-6
5/8
1 3/8
2 3/4
LET
ALTERATION
DATE
BY
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
PBY-5B 28T5076 1
PBY-5A 28T5076 1
PBY-5 28T5076 1
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
12" = 1'-0"
1/64
STAMP PART NUMBER WHERE SHOWN
KF5 FAFNIR BALL BEARING 1
28T5079-6 5/8 X 2 3/4 X 4 1/2 AL. ALLOY BAR 24ST46A9T 1
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ.
PARTS LIST PER ASSY.
-0
-2
-3
-4
-5
AC
NAVY NONE
HEAT TREAT
-6: Z-P-AP
FINISH
3-13-40
3/29/40
3/29/40
DRAFT
CHECK
STRUCT.
MAT
APPROV.
ENG.
NAME BEARING FITTING - RUDDER HINGE BRACKET - LOWER FIN
OPP. HAND
DWG.
B 28T5079
SIZE
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.

LET
ALTERATION
A MAT'L WAS 24ST
B CUT OFF 2 TOP LUGS
C DWG. CUT PLATE DIM
WAS 1/2. DRILL 19(.166)
B/M AC366-DF832 (2) WAS
DRILL #19(.166)
AC366-DF832
AN425-D3
2 PLACES
AN442-D3
RIVETS
AN425-AD3
4 REQ. PER -7
FLUSH ON
INSIDE
ALL BEND RADII 1/16
1R
-6
-7
FINISH CODE
PBY-5B 28B1006 1
PBY-5A 28B1006 1
PBY-5 28B1006 1
ASSY DASH NO
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
AN442-D3
AN425-D3
AC366-DF832
-7 3/16 X 7/8 X 1 1/4 PHENOLIC SHEET
-6 .040 X 3 1/2 X 7 ALCLAD SH. 24ST 47AB
PART No.
STOCK
MATERIAL
SPEC
PARTS LIST PER ASSY.
AC
NAVY SR 53 "T"
Z - P - AP
HEAT TREAT
FINISH
DRAFT
CHECK
STRUCT
NAME GUARD-RUDDER TAB CONTROL SPROCKET
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
OPP HAND
B 28T5080



LET	ALTERATION	DATE	BY
E	TRACED NO. WT. CHG.	9-30-43	SHAW





DRILL 3/8 - DEPTH 3 1/16 C'SINK 110° x 1/2
TAP 1/2 - 8 ACME STD THREAD
DOUBLE THREAD LEAD = 1/4 PITCH = 1/8
PITCH DIA .4375 +.004 -.000

NOTE: MAKE THIS PART TO SCREW OUTSIDE OF 28T5081

FINISH	
Z	AND
P	
GP	
C	

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5B	28T5087	1
	PBY-5A	↑	1
	PBY-5	↓	1
	ALL 28-5S	28T5087	1 E.R.

REQUIREMENTS PER AIRPLANE

REPLACES 28T5083 3-19-40 CALC. WT.
REPLACED BY ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64
SCALE 12" = 1.0"
STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	LH REQ. -0	RH REQ. -0	LH REQ. -2	RH REQ. -2	LH REQ. -3	RH REQ. -3	LH REQ. -4	RH REQ. -4	LH REQ. -5	RH REQ. -5
■	3/4 X 3/4 X 4 1/4	MANGANESE BRONZE BAR	40B15HH										

PARTS LIST PER ASSY.

[redacted]

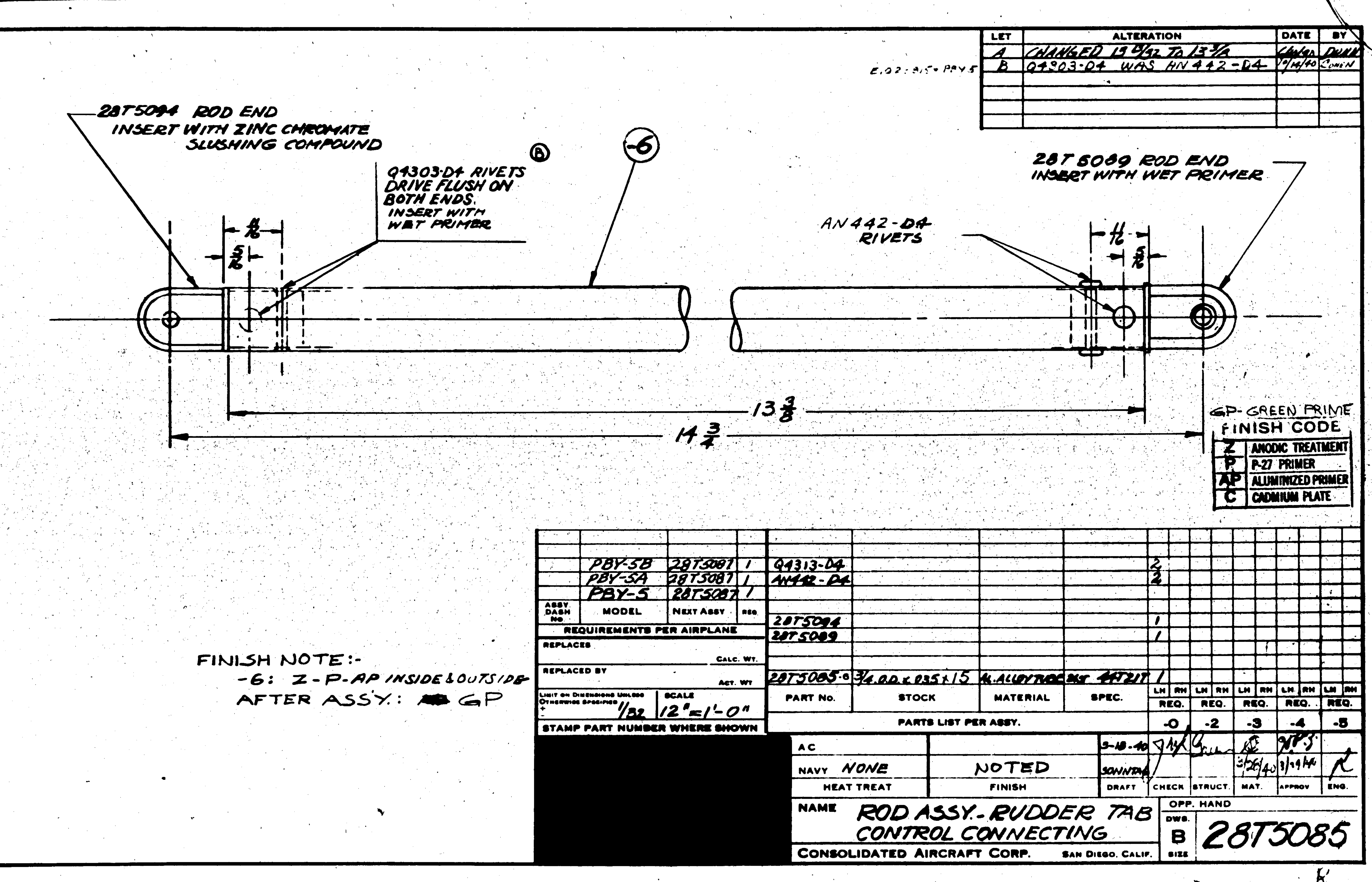
		DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.
AC		3-19-40	J.M.H.	GREEN		H.P.Z.	
NAVY NONE	C - EXCEPT THREADS	SONNTAG	S.F.		S.F.	3-29-40	R
HEAT TREAT	FINISH						

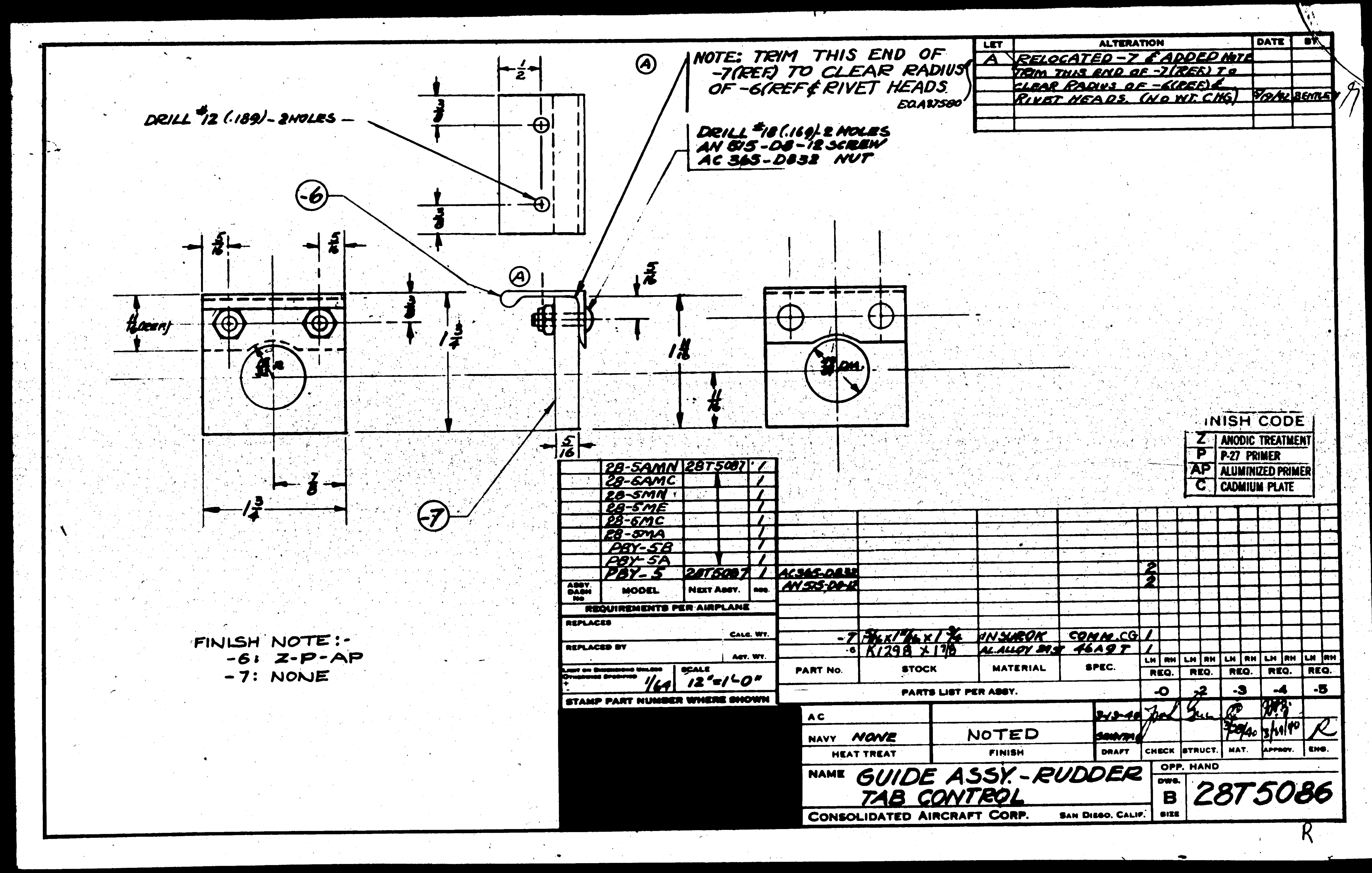
OPP. HAND

NAME LINK - RUDDER TAB CONTROL SCREW

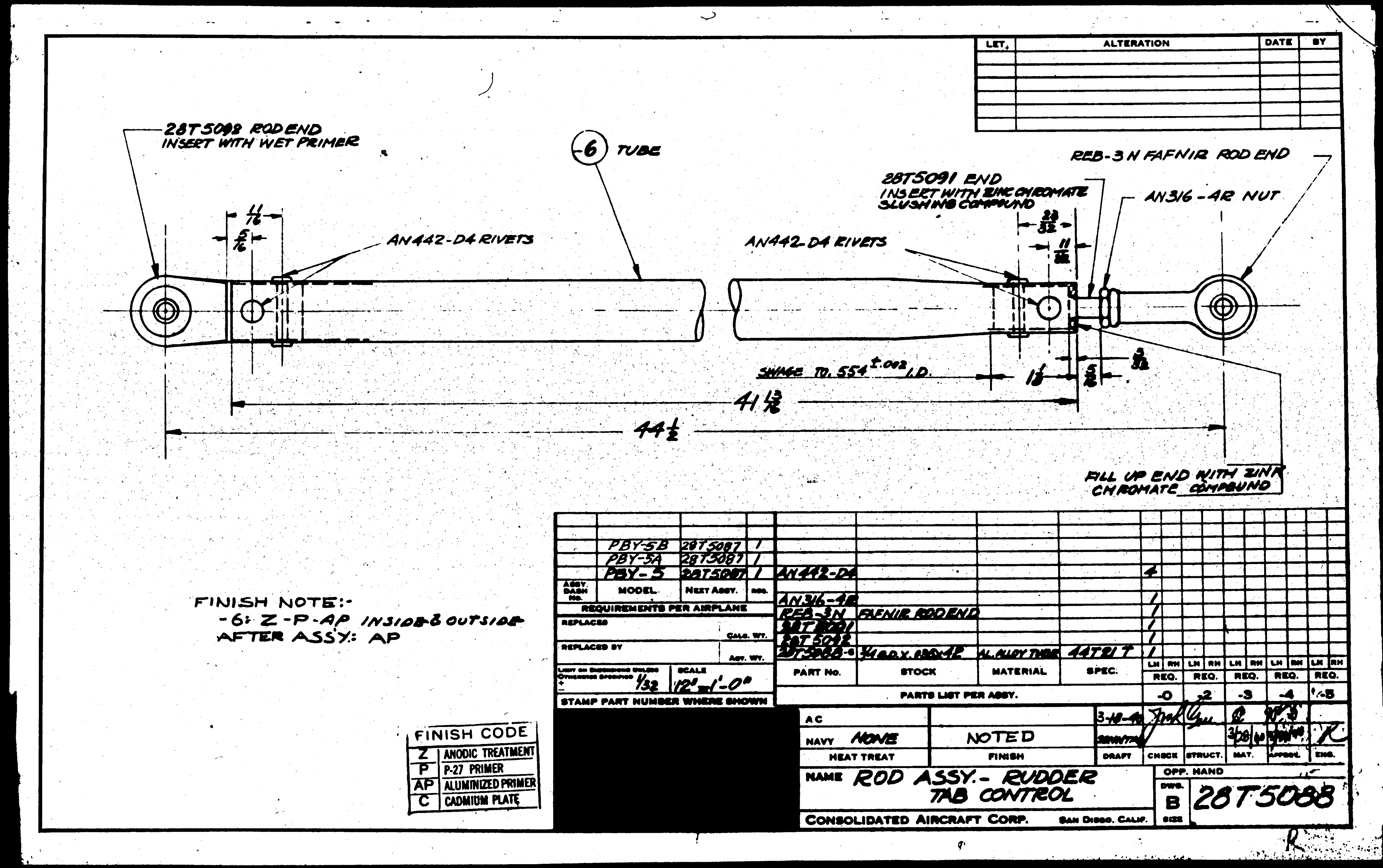
DWG. SIZE B 28T5083

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

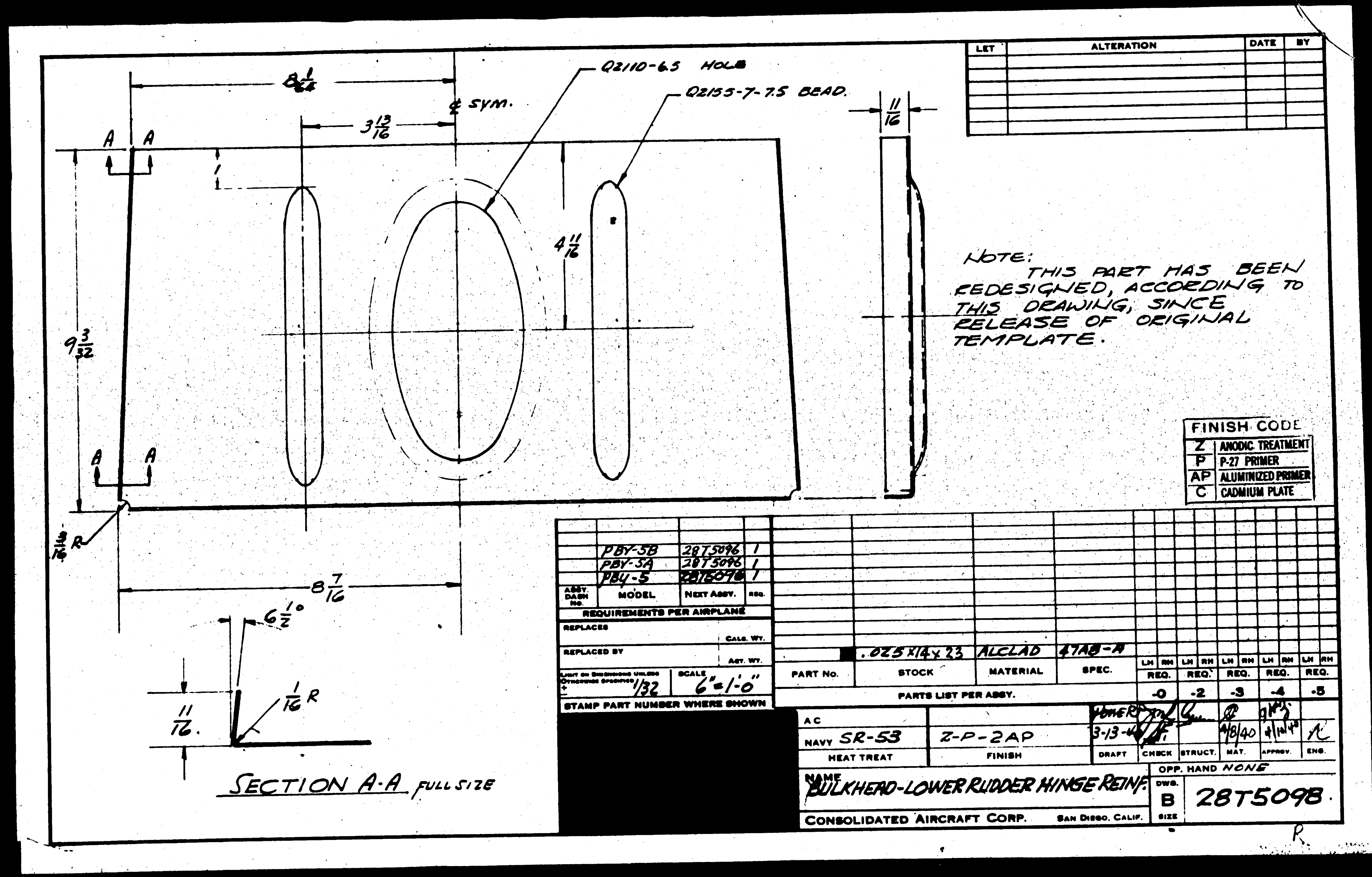

LET | ALTERATION | DATE | BY
A | CHANGED 13 13/32 TO 13 3/8 | | DUNN
B | Q4303-D4 WAS AN442-D4 | 9/14/40 | CONLIN
28T5094 ROD END
INSERT WITH ZINC CHROMATE
SLUSHING COMPOUND
Q4303-D4 RIVETS
DRIVE FLUSH ON
BOTH ENDS.
INSERT WITH
WET PRIMER
-6
11/16
5/16
AN442-D4
RIVETS
28T5089 ROD END
INSERT WITH WET PRIMER
13 3/8
14 3/4
GP-GREEN PRIME
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
FINISH NOTE:-
-6: Z-P-AP INSIDE & OUTSIDE
AFTER ASSY: GP
PBY-5B 28T5087 1
PBY-5A 28T5087 1
PBY-5 28T5087 1
ASSY. DASH No. | MODEL | NEXT ASSY | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
Q4313-D4 2
AN442-D4 2
28T5094 1
28T5089 1
28T5085-6 3/4 O.D. x .035 x 15 AL. ALLOY TUBE 24ST 1
PART No. | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY NONE
HEAT TREAT
NOTED
FINISH
3-18-40 SONNTAG
DRAFT | CHECK | STRUCT. | MAT. | APPROV | ENG.
NAME ROD ASSY.-RUDDER TAB CONTROL CONNECTING
OPP. HAND
DWG. SIZE B
28T5085
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



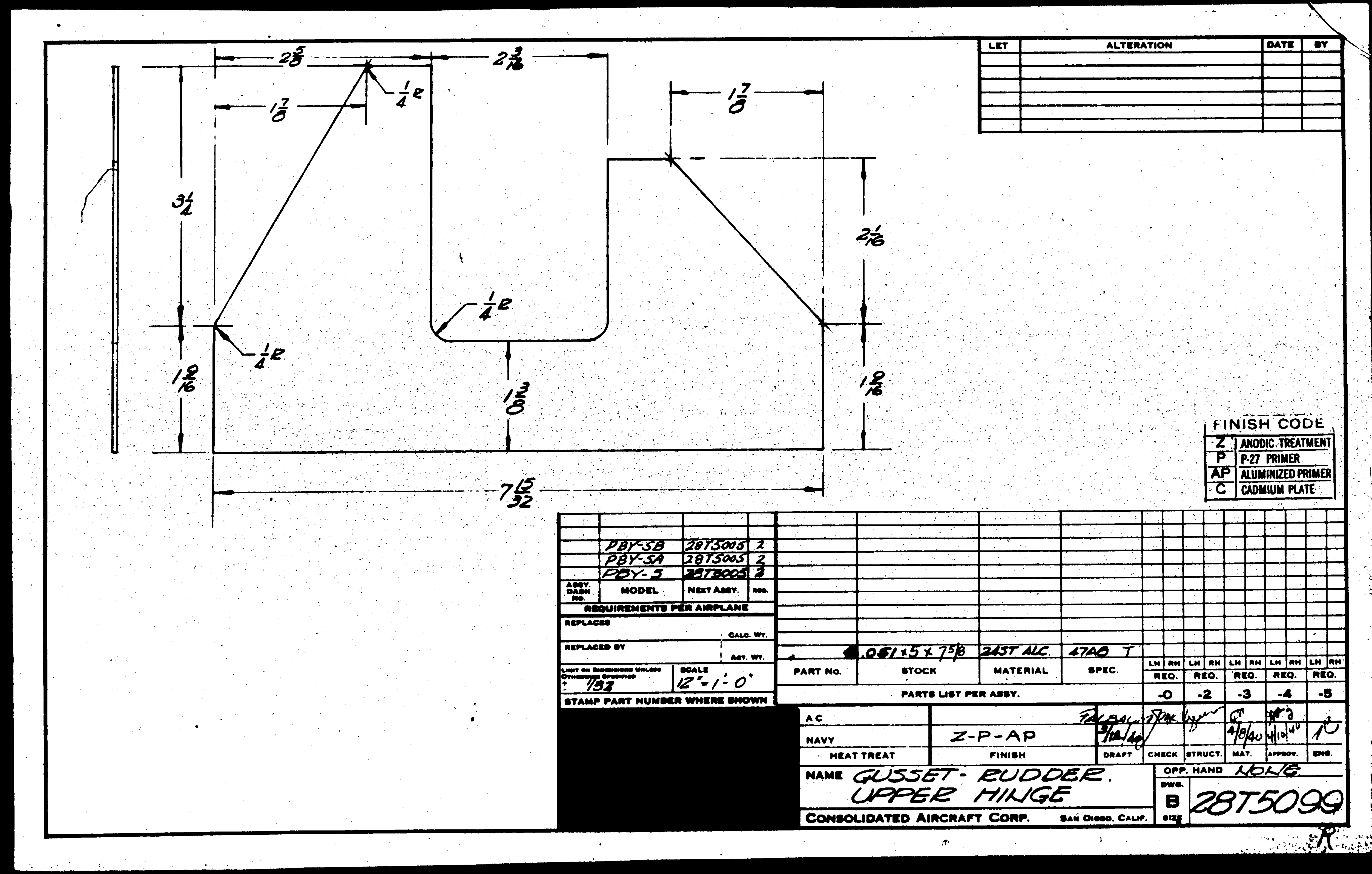
NOTE: TRIM THIS END OF -7(REF.) TO CLEAR RADIUS OF -6(REF & RIVET HEADS
EO.A37580
LET
ALTERATION
DATE
BY
A
RELOCATED -7 & ADDED NOTE TRIM THIS END OF -7(REF) TO CLEAR RADIUS OF -6(REF) & RIVET HEADS. (NO WT. CHG)
BENTLEY
DRILL #12 (.189) - 2HOLES -
DRILL #18 (.169) 2 HOLES
AN 515-D8-12 SCREW
AC 365-D832 NUT
A
-6
-7
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
28-5AMN 28T5087 1
28-6AMC 1
28-5MN 1
28-5ME 1
28-6MC 1
28-5MA 1
PBY-5B 1
PBY-5A 1
PBY-5 28T5087 1
ASSY. DASH NO
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
AC365-D832 2
AN515-D8-12 2
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
1/64
12"=1'-0"
STAMP PART NUMBER WHERE SHOWN
-7 AN SUROK COMM. CG 1
-6 K1298 X 17/8 AL ALLOY 24 ST 46A9T 1
PART No.
STOCK
MATERIAL
SPEC.
LH RH
REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
FINISH NOTE:-
-6: Z-P-AP
-7: NONE
AC
NAVY NONE
HEAT TREAT
NOTED
FINISH
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
OPP. HAND
NAME GUIDE ASSY. - RUDDER TAB CONTROL
DWG.
B
SIZE
28T5086
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
R



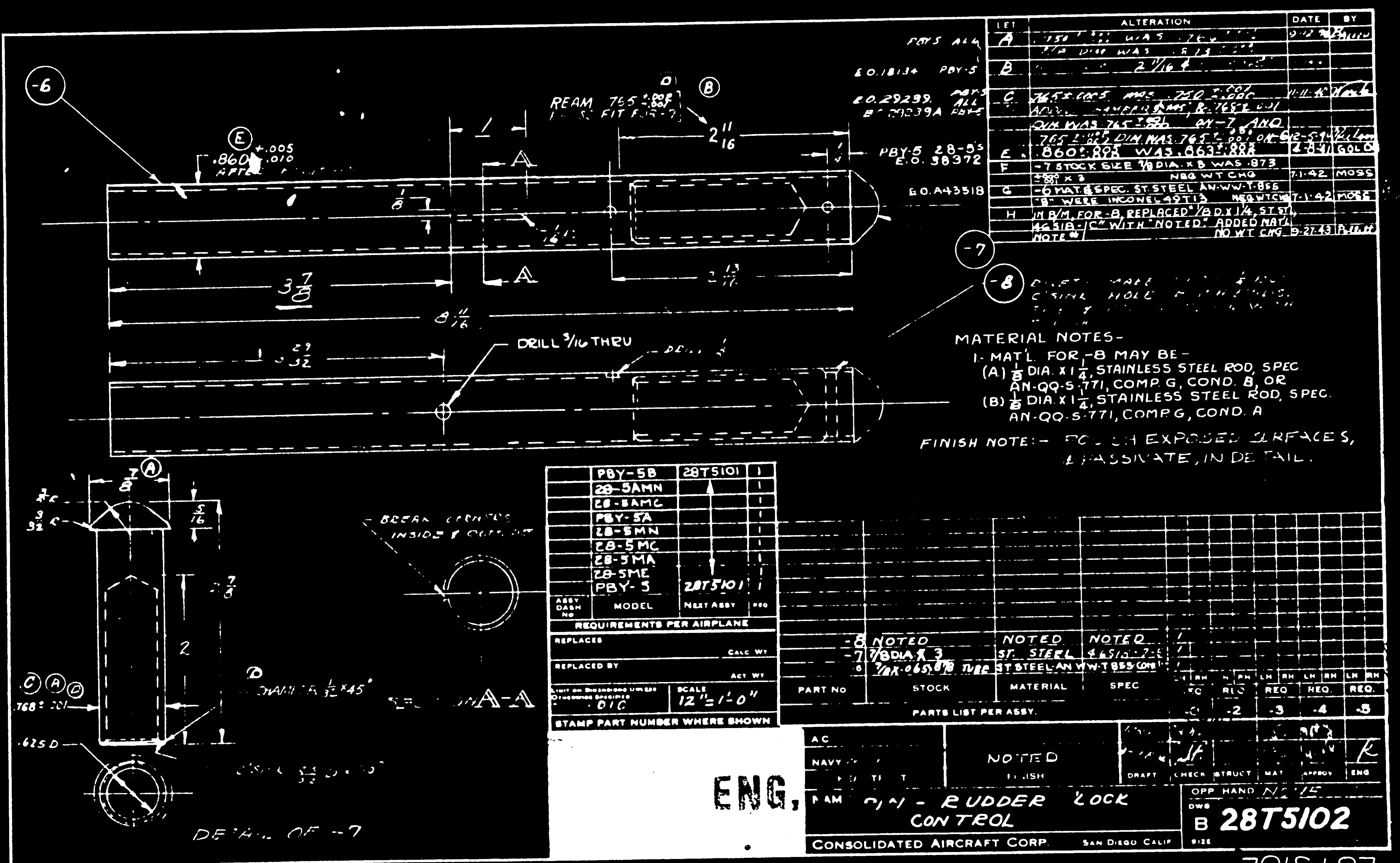
LET. | ALTERATION | DATE | BY
28T5092 ROD END
INSERT WITH WET PRIMER
-6 TUBE
REB-3N FAFNIR ROD END
28T5091 END
INSERT WITH ZINC CHROMATE
SLUSHING COMPOUND
AN316-4R NUT
AN442-D4 RIVETS
AN442-D4 RIVETS
11/16
5/16
23/32
11/32
SWAGE TO .554 ±.002 I.D.
1 1/8
5/16
5/32
41 13/16
44 1/2
FILL UP END WITH ZINK
CHROMATE COMPOUND
FINISH NOTE:-
-6: Z-P-AP INSIDE & OUTSIDE
AFTER ASSY: AP
PBY-5B 28T5087 1
PBY-5A 28T5087 1
PBY-5 28T5087 1
ASSY. DASH No. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
AN442-D4 4
AN316-4R 1
REB-3N FAFNIR ROD END 1
28T5091 1
28T5092 1
28T5088-6 3/4 O.D. X .035 X 42 AL. ALLOY TUBE 44T21 T 1
PART No. | STOCK | MATERIAL | SPEC.
LH RH REQ. -0
LH RH REQ. -2
LH RH REQ. -3
LH RH REQ. -4
LH RH REQ. -5
PARTS LIST PER ASSY.
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
AC
NAVY NONE
HEAT TREAT
NOTED
FINISH
3-18-41
3/20/41
DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
OPP. HAND
NAME ROD ASSY.- RUDDER
TAB CONTROL
DWG. B SIZE
28T5088
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



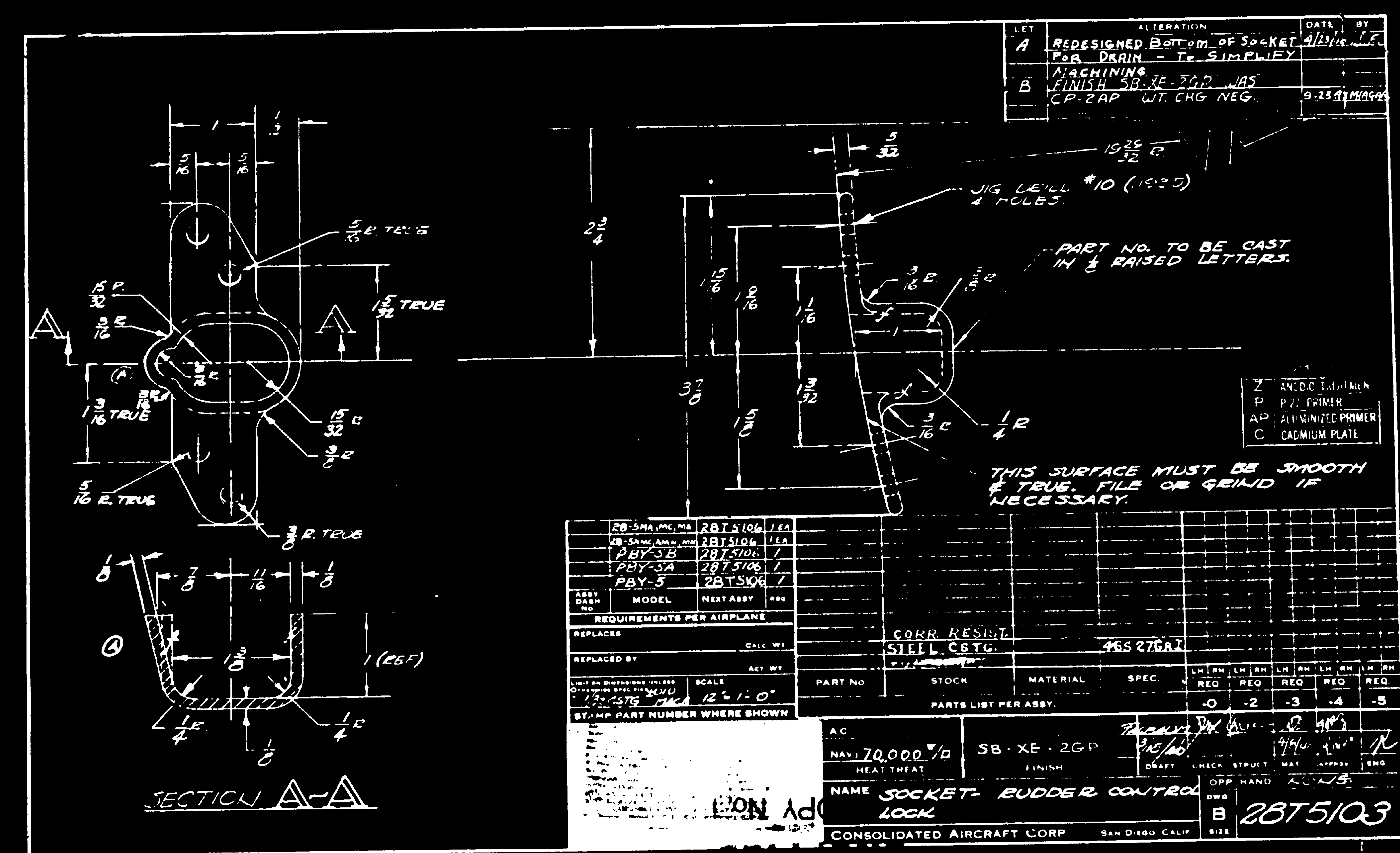
LET | ALTERATION | DATE | BY
Q2110-6.5 HOLE
Q2155-7-7.5 BEAD.
℄ SYM.
8 1/64
3 13/16
11/16
A A
A A
1
4 11/16
9 3/32
3/16 R
8 7/16
6 1/2°
11/16
1/16 R
SECTION A-A FULL SIZE
NOTE: THIS PART HAS BEEN REDESIGNED, ACCORDING TO THIS DRAWING, SINCE RELEASE OF ORIGINAL TEMPLATE.
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
PBY-5B 28T5096 1
PBY-5A 28T5096 1
PBY-5 28T5096 1
ASSY. DASH No. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 6"=1'-0"
STAMP PART NUMBER WHERE SHOWN
.025 X 14 X 23 ALCLAD 24ST-A
PART No. | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY SR-53
HEAT TREAT
Z-P-2AP
FINISH
3-13-40
4/8/40
4/10/40
DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
OPP. HAND NONE
NAME BULKHEAD-LOWER RUDDER HINGE REINF.
DWG. B SIZE
28T5098
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R.



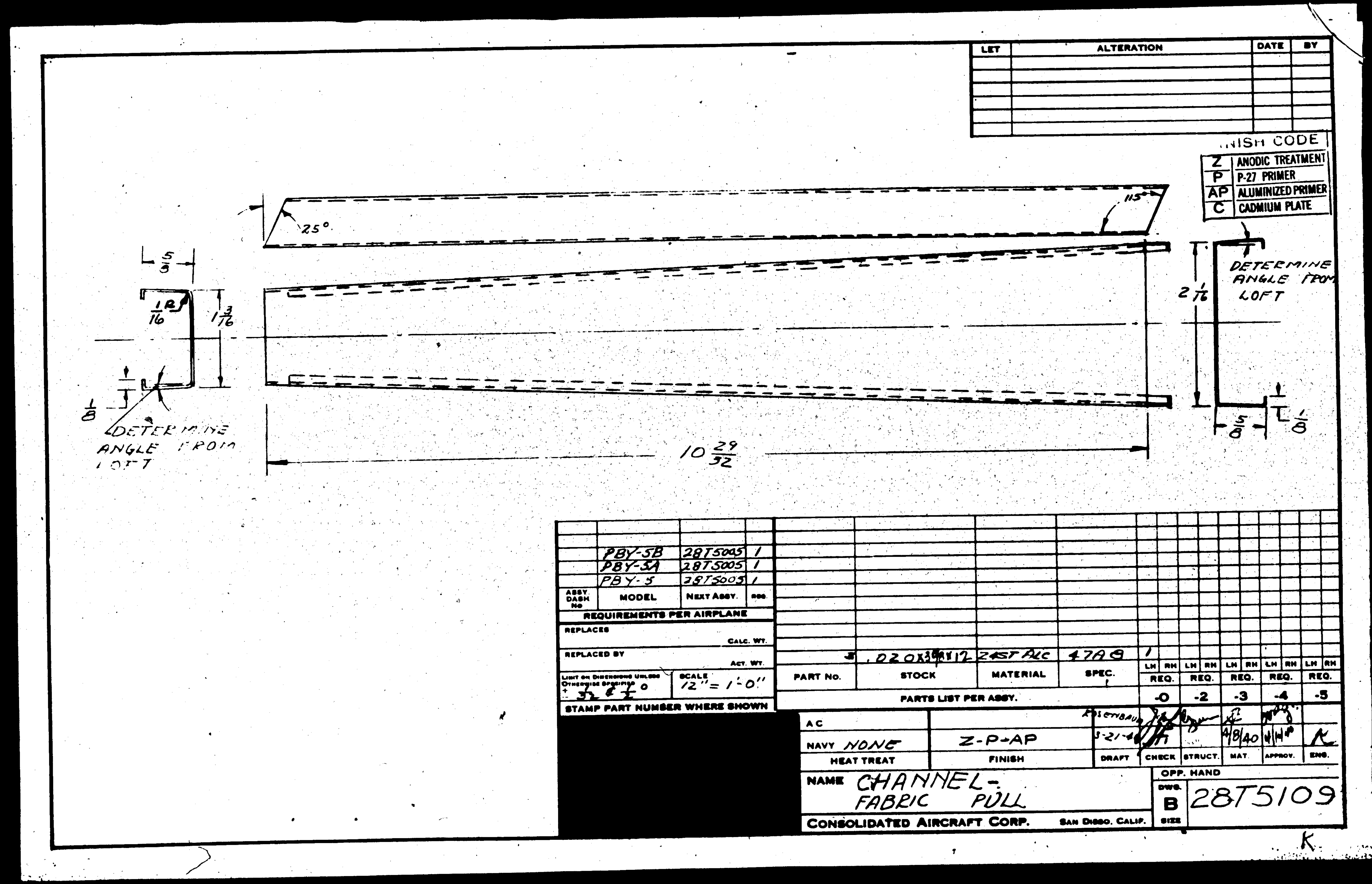
LET
ALTERATION
DATE
BY
2 5/8
2 3/16
1 7/8
1/4 R
1 7/8
3 1/4
2 1/16
1/4 R
1/4 R
1 9/16
1 3/8
1 9/16
7 15/32
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
PBY-5B 28T5005 2
PBY-5A 28T5005 2
PBY-5 28T5005 2
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.051 x 5 x 7 5/8
24ST ALC.
47A8 T
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
AC
NAVY
Z-P-AP
HEAT TREAT
FINISH
4/8/40
4/10/40
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NAME GUSSET - RUDDER. UPPER HINGE
OPP. HAND NONE
DWG. SIZE B
28T5099
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.



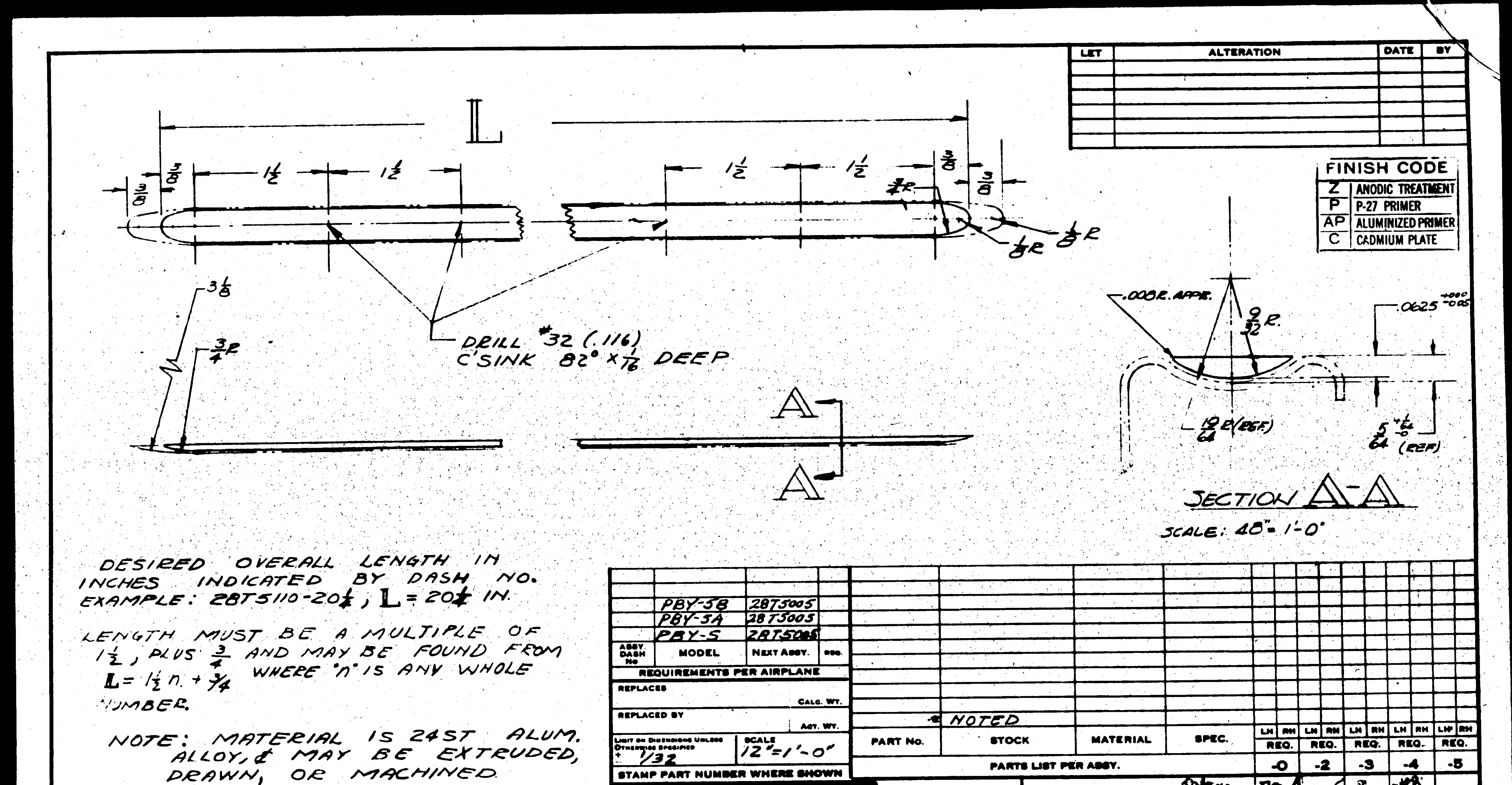
ALTERATION
DATE
BY
REAM .765
DRILL 3/16 THRU
MATERIAL NOTES-
1- MAT'L FOR -8 MAY BE-
(A) 1/8 DIA. X 1 1/4, STAINLESS STEEL ROD, SPEC AN-QQ-S-771, COMP. G, COND. B, OR
(B) 1/8 DIA. X 1 1/4, STAINLESS STEEL ROD, SPEC. AN-QQ-S-771, COMP. G, COND. A
FINISH NOTE:-
PBY-5B
28T5101
28-5AMN
28-5AMC
PBY-5A
28-5MN
28-5MC
28-5MA
28-5ME
PBY-5
MODEL
NEXT ASSY
REQUIREMENTS PER AIRPLANE
REPLACES
REPLACED BY
SCALE
12"=1'-0"
STAMP PART NUMBER WHERE SHOWN
-8 NOTED
-7 7/8 DIA X 3
PART NO
STOCK
MATERIAL
SPEC
PARTS LIST PER ASSY.
NOTED
DRAFT
CHECK
STRUCT
MAT
APPROV
ENG
ENG.
RUDDER LOCK
CONTROL
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO CALIF
OPP HAND
B 28T5102
DETAIL OF -7
28T5102



LET | ALTERATION | DATE | BY
A | REDESIGNED BOTTOM OF SOCKET FOR DRAIN - TO SIMPLIFY MACHINING
B | FINISH SB-XE-2GP JAS CP-2AP WT. CHG NEG.
PART NO. TO BE CAST IN 1/8 RAISED LETTERS.
JIG DRILL #10 (.1935) 4 HOLES
THIS SURFACE MUST BE SMOOTH & TRUE. FILE OR GRIND IF NECESSARY.
Z ANODIC TREATMENT
P P 27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
SECTION A-A
28-5MA, MC, MB | 28T5106 | 1 EA
28-5AMC, AMA, MM | 28T5106 | 1 EA
PBY-5B | 28T5106 | 1
PBY-5A | 28T5106 | 1
PBY-5 | 28T5106 | 1
ASSY DASH NO | MODEL | NEXT ASSY | REQ
REQUIREMENTS PER AIRPLANE
REPLACES
REPLACED BY
CALC WT
ACT WT
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
CORR. RESIST. STEEL CSTG.
46S 27GRI
PART No | STOCK | MATERIAL | SPEC.
REQ -0 | REQ -2 | REQ -3 | REQ -4 | REQ -5
PARTS LIST PER ASSY.
NAVY 70,000 #/□ HEAT TREAT
SB-XE-2GP FINISH
DRAFT | CHECK | STRUCT | MAT | APPROV | ENG
OPP HAND
NAME SOCKET- RUDDER CONTROL LOCK
DWG SIZE B
28T5103
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF



LET
ALTERATION
DATE
BY
NISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
25°
115°
5/8
1/16
1 3/16
1/8
DETERMINE ANGLE FROM LOFT
10 29/32
2 1/16
DETERMINE ANGLE FROM LOFT
5/8
1/8
PBY-5B 28T5005 1
PBY-3A 28T5005 1
PBY-5 28T5005 1
ASSY. DASH No
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.020 X 12 24ST ALC 47A9 1
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
-0 -2 -3 -4 -5
PARTS LIST PER ASSY.
AC
NAVY NONE
HEAT TREAT
Z-P-AP
FINISH
3-21-40
DRAFT
CHECK
STRUCT.
4/8/40
MAT.
APPROV.
ENG.
OPP. HAND
NAME CHANNEL-FABRIC PULL
DWG. B SIZE
28T5109
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
K



LET	ALTERATION	DATE	BY

FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

DESIRED OVERALL LENGTH IN INCHES INDICATED BY DASH NO.
EXAMPLE: 28T5110-20 1/4 ; L = 20 1/4 IN.

LENGTH MUST BE A MULTIPLE OF 1 1/2, PLUS 3/4 AND MAY BE FOUND FROM L = 1 1/2 n + 3/4 WHERE "n" IS ANY WHOLE NUMBER.

NOTE: MATERIAL IS 24ST ALUM. ALLOY, & MAY BE EXTRUDED, DRAWN, OR MACHINED.

ASSY. DASH No	MODEL	NEXT ASSY.	REQ.
	PBY-5B	28T5005	
	PBY-5A	28T5005	
	PBY-5	28T5005	

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	LH REQ. -0	RH REQ. -0	LH REQ. -2	RH REQ. -2	LH REQ. -3	RH REQ. -3	LH REQ. -4	RH REQ. -4	LH REQ. -5	RH REQ. -5
	⊕ NOTED												

PARTS LIST PER ASSY.

AC		DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.
NAVY NONE	Z-P-AP	Rosenbaum 9-21-			4/8/40	4/14/40	
HEAT TREAT	FINISH						

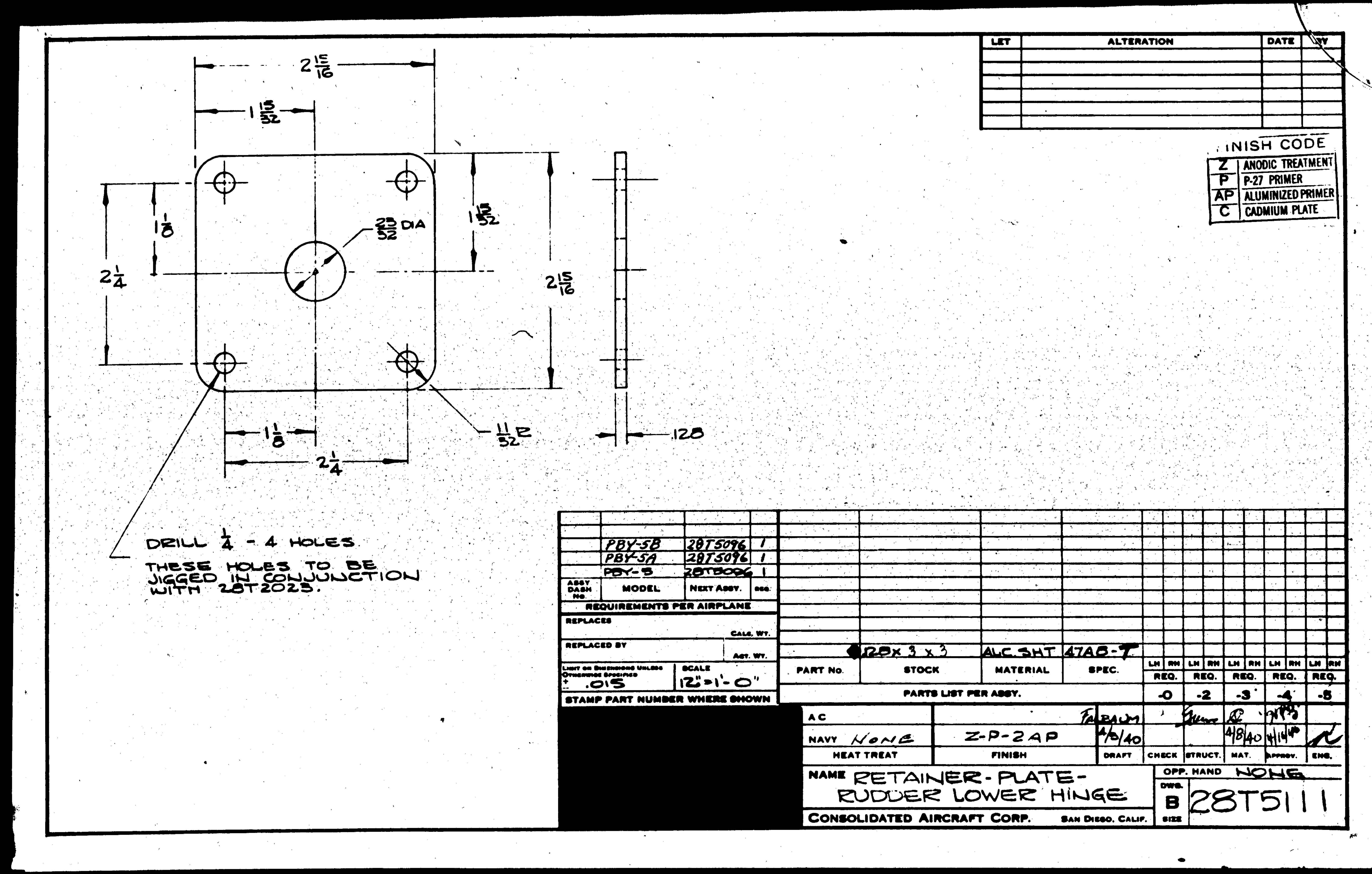
NAME SEWING STRIP - RUDDER

OPP. HAND

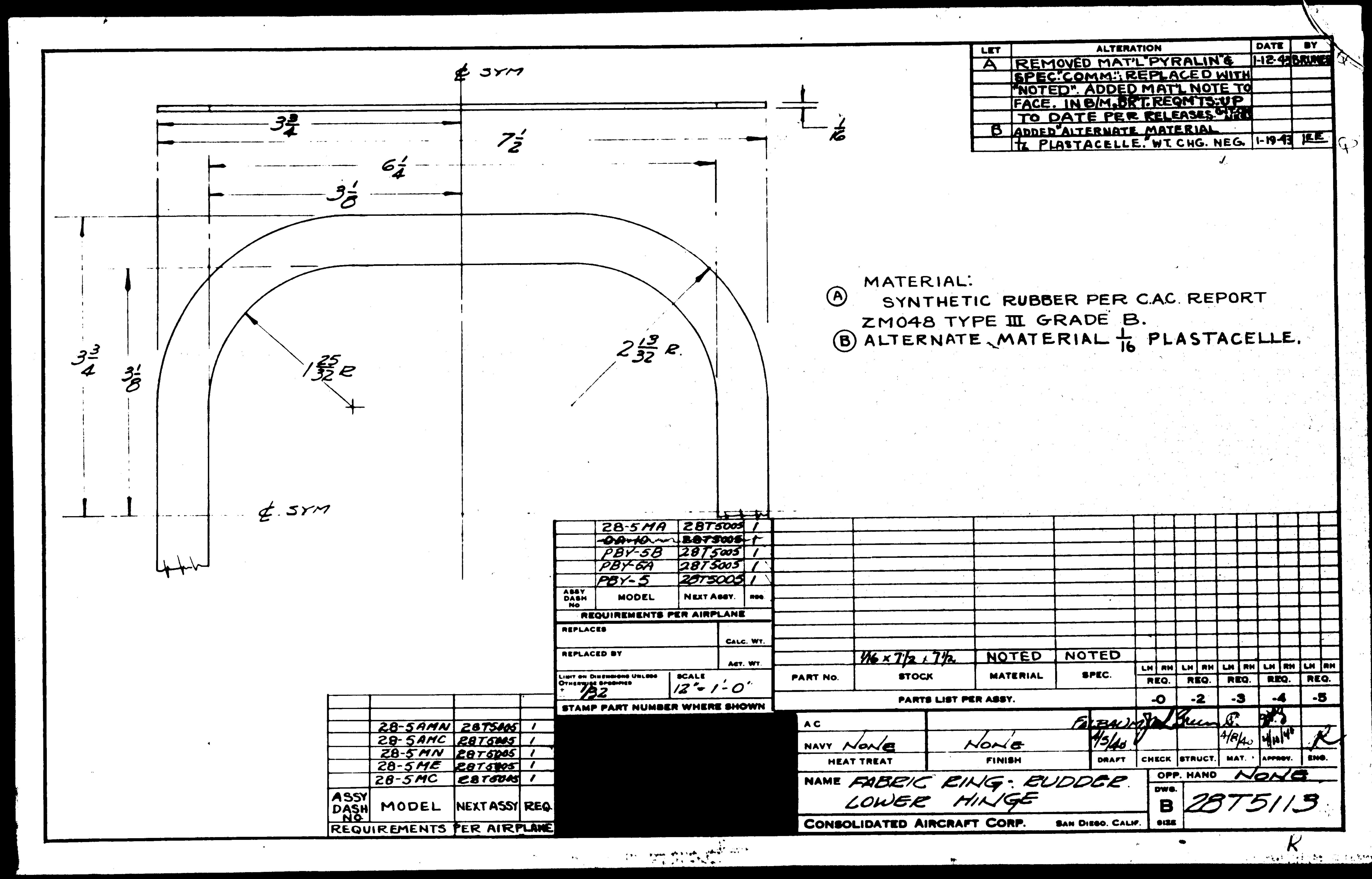
DWG. SIZE B 28T5110

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

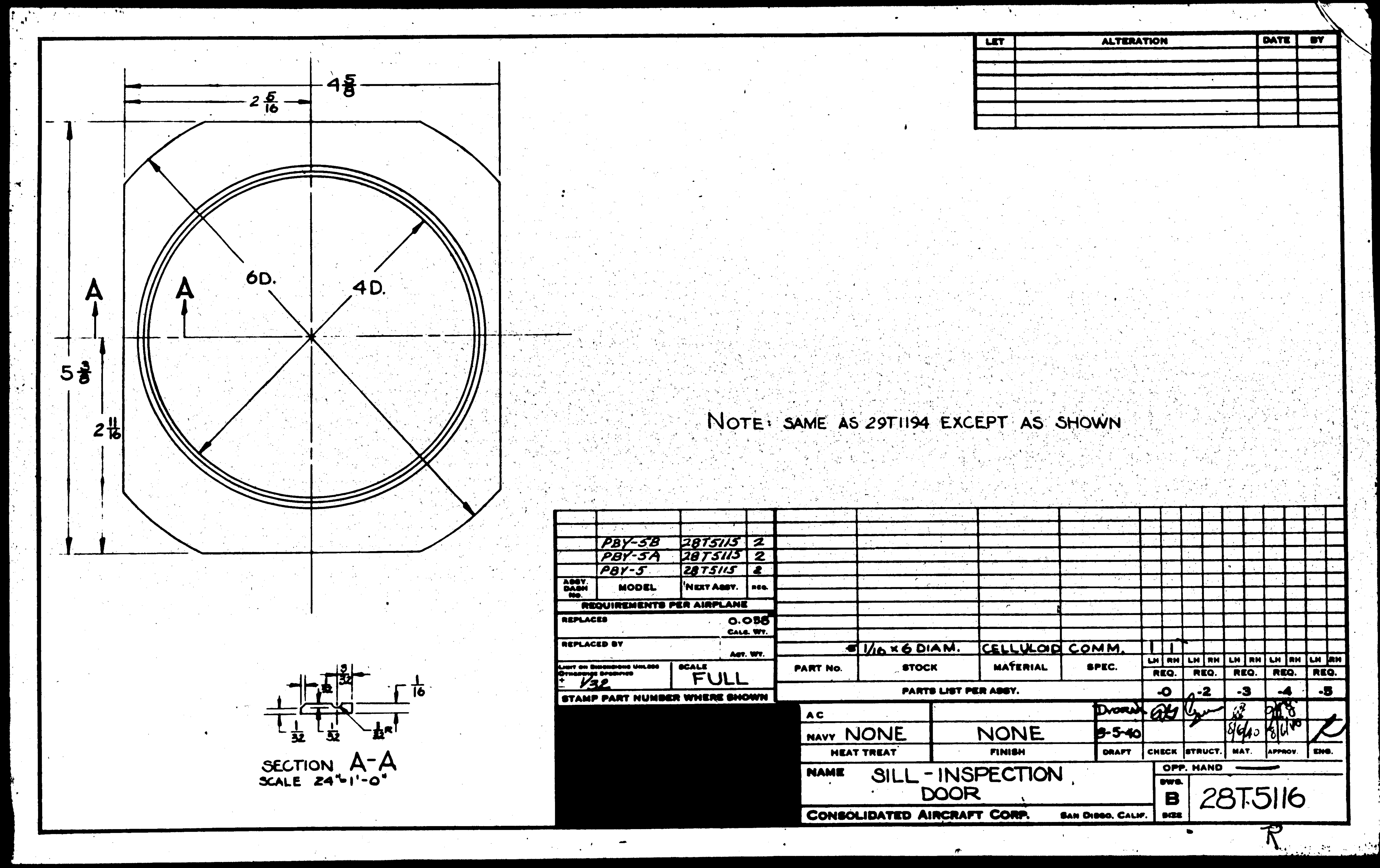
R



LET
ALTERATION
DATE
BY
INISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
2 15/16
1 15/32
1 1/8
2 1/4
23/32 DIA
1 15/32
2 15/16
1 1/8
2 1/4
11/32 R
.128
DRILL 1/4 - 4 HOLES
THESE HOLES TO BE JIGGED IN CONJUNCTION WITH 28T2023.
PBY-5B 28T5096 1
PBY-5A 28T5096 1
PBY-5 28T5096 1
ASSY DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .015
SCALE 12"=1'-0"
STAMP PART NUMBER WHERE SHOWN
.128x 3 x 3
ALC SHT
47AB-T
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
AC
NAVY NONE
HEAT TREAT
Z-P-2AP
FINISH
FALBAUM 4/8/40
DRAFT
CHECK
STRUCT.
4/8/40
MAT.
4/14/40
APPROV.
ENG.
NAME RETAINER-PLATE-RUDDER LOWER HINGE
OPP. HAND NONE
DWG. SIZE B
28T5111
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.



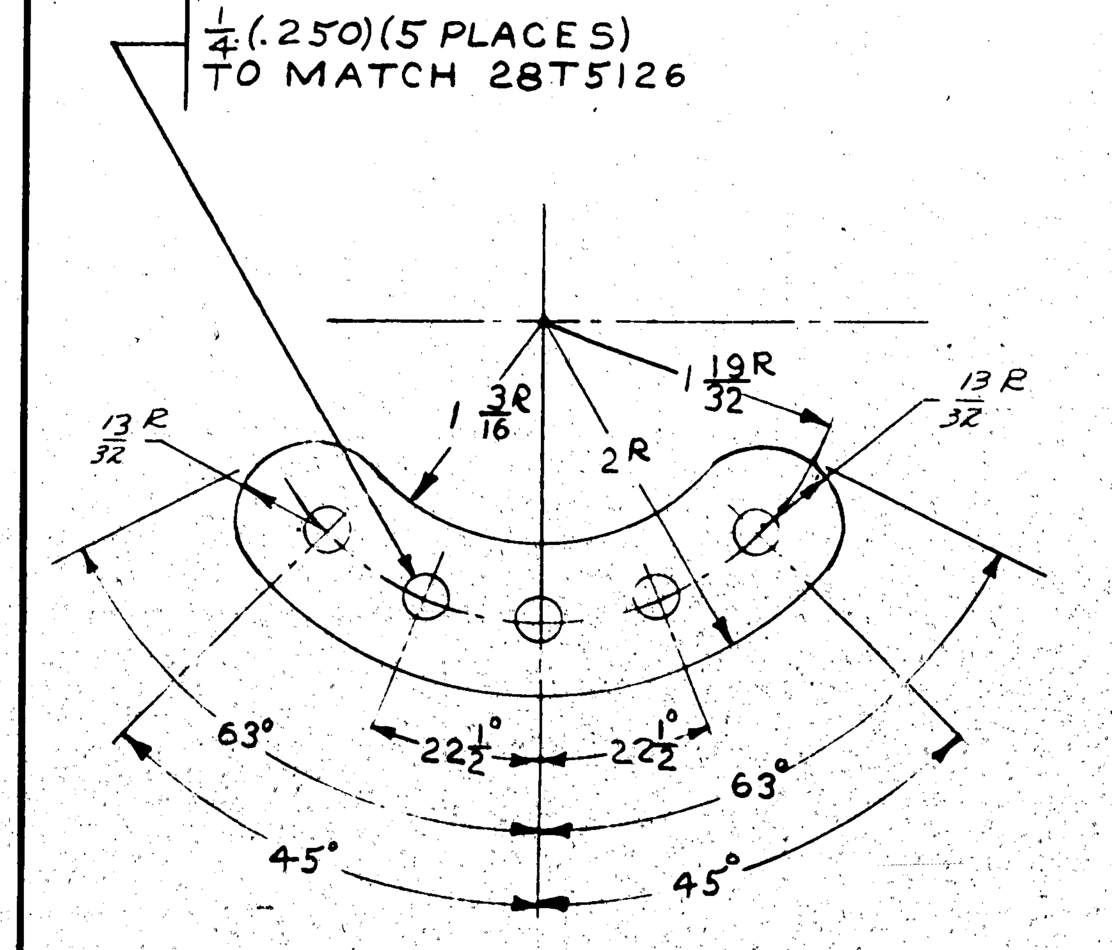
LET | ALTERATION | DATE | BY
A REMOVED MAT'L "PYRALIN" & SPEC "COMM."; REPLACED WITH "NOTED". ADDED MAT'L NOTE TO FACE. IN B/M, BRT. REQMTS. UP TO DATE PER RELEASES 1-12-43
B ADDED ALTERNATE MATERIAL 1/16 PLASTACELLE. WT. CHG. NEG. 1-19-43 JEE
℄ SYM
3 3/4
7 1/2
1/16
6 1/4
3 1/8
3 3/4
3 1/8
1 25/32 R
2 13/32 R.
℄ SYM
MATERIAL:
(A) SYNTHETIC RUBBER PER C.A.C. REPORT ZM048 TYPE III GRADE B.
(B) ALTERNATE MATERIAL 1/16 PLASTACELLE.
28-5MA 28T5005 1
PBY-5B 28T5005 1
PBY-6A 28T5005 1
PBY-5 28T5005 1
ASSY DASH NO
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
1/16 x 7 1/2 x 7 1/2
NOTED
NOTED
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ. -0
LH RH REQ. -2
LH RH REQ. -3
LH RH REQ. -4
LH RH REQ. -5
PARTS LIST PER ASSY.
28-5AMN 28T5005 1
28-5AMC 28T5005 1
28-5MN 28T5005 1
28-5ME 28T5005 1
28-5MC 28T5005 1
ASSY DASH NO
MODEL
NEXT ASSY
REQ.
REQUIREMENTS PER AIRPLANE
AC
NAVY None
None
HEAT TREAT
FINISH
4/5/40
4/8/40
4/10/40
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
OPP. HAND None
NAME FABRIC RING - RUDDER LOWER HINGE
DWG. B SIZE
28T5113
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
K



LET
ALTERATION
DATE
BY
4 5/8
2 5/16
5 3/8
2 11/16
A
A
6D.
4D.
SECTION A-A
SCALE 24"=1'-0"
3/32
1/32
1/16
1/32
1/32
1/32 R
NOTE: SAME AS 29T1194 EXCEPT AS SHOWN
PBY-5B 28T5115 2
PBY-5A 28T5115 2
PBY-5 28T5115 2
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
0.035
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/32
SCALE
FULL
STAMP PART NUMBER WHERE SHOWN
1/16 × 6 DIAM.
CELLULOID
COMM.
1
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
AC
NAVY NONE
NONE
HEAT TREAT
FINISH
DVORAK
8-5-40
8/6/40
8/6/40
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NAME SILL - INSPECTION DOOR
OPP. HAND
DWG. SIZE
B
28T5116
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
R

LET	ALTERATION	DATE	BY
E	TRACED NO WT. CHG	9-30-43	DUNGAN

28T5124



	285AMN	28T5125	1
	PBY-5	28T5125	1
	PBY-5B	28T5125	1
	PBY-5A	28T5125	1
ASSY. DASH No	MODEL	NEXT ASSY.	REQ.

REQUIREMENTS PER AIRPLANE

REPLACES 28T5124 (5-11-42) .29 CALC WT.

REPLACED BY

ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±.015 − 1/2°

SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	LH REQ. -0	RH REQ. -0	LH REQ. -2	RH REQ. -2	LH REQ. -3	RH REQ. -3	LH REQ. -4	RH REQ. -4	LH REQ. -5	RH REQ. -5
	1 1/4 x 1/2 x 3 3/8	AL. AL. BAR	46A9-T										

PARTS LIST PER ASSY.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE

AC		REED	CASSIE	GERBER			ZUCK
NAVY NONE	Z-P	5-11-42					MC. VICKER
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

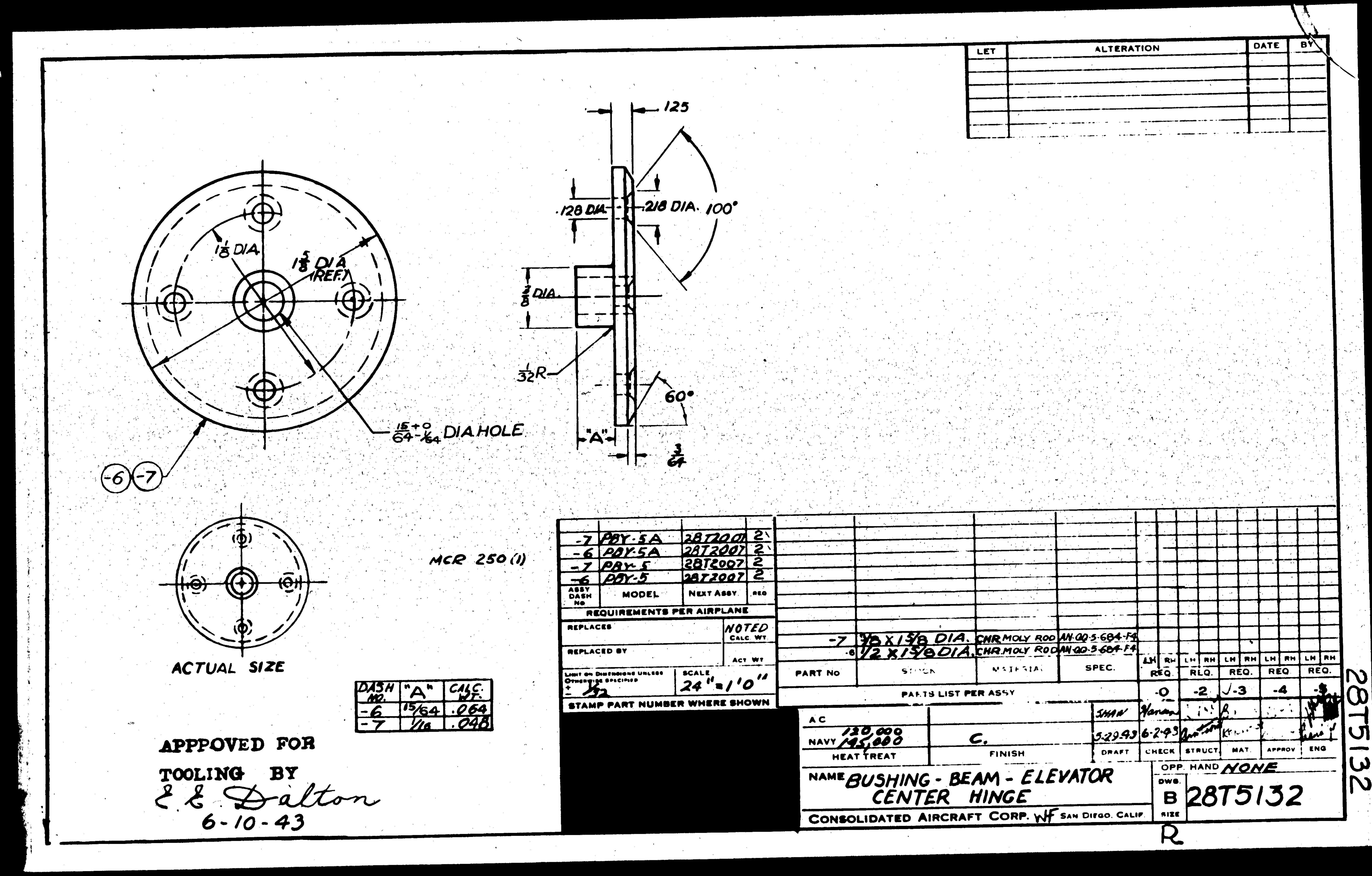
NAME SPACER BLOCK ELEVATOR HORN

OPP. HAND

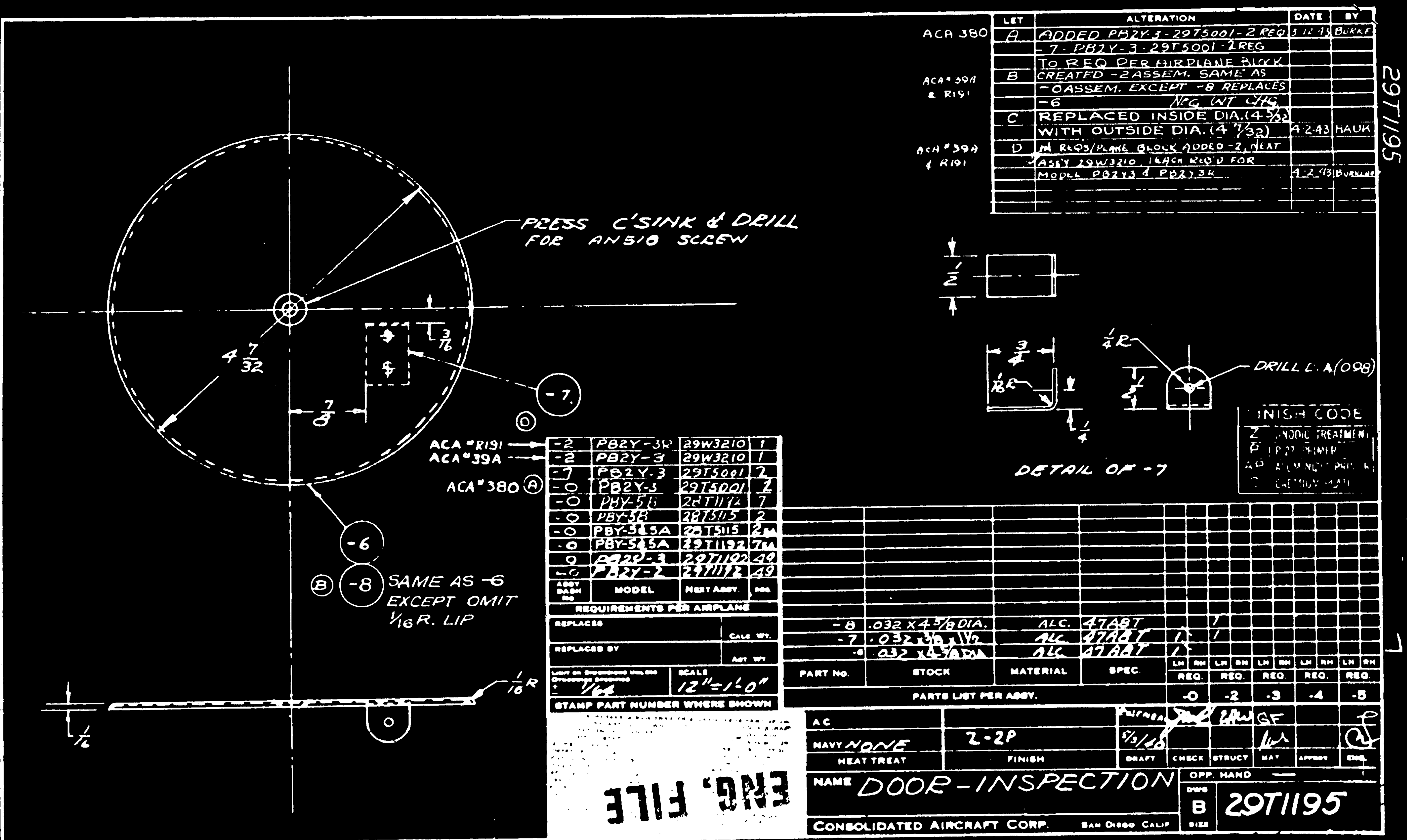
DWG. SIZE B 28T5124

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

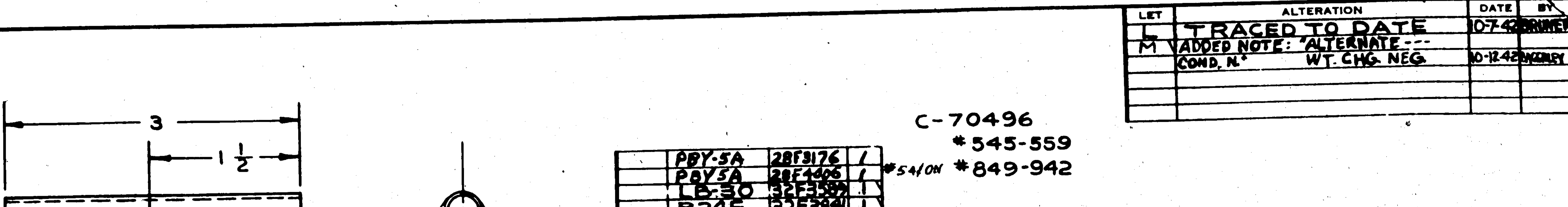
R



LET
ALTERATION
DATE
BY
.125
.128 DIA.
.218 DIA.
100°
1 1/8 DIA.
1 5/8 DIA (REF.)
3/8 DIA.
1/32 R
60°
15/64 +0 -1/64 DIA HOLE
"A"
3/64
-6 -7
ACTUAL SIZE
MCR 250 (1)
-7 PBY-5A 28T2007 2
-6 PBY-5A 28T2007 2
-7 PBY-5 28T2007 2
-6 PBY-5 28T2007 2
ASSY DASH No
MODEL
NEXT ASSY
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
NOTED CALC. WT.
REPLACED BY
ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 24" = 1'0"
STAMP PART NUMBER WHERE SHOWN
-7 3/8 X 1 5/8 DIA. CHR MOLY ROD AN-QQ-S-684-F4
-6 1/2 X 1 5/8 DIA. CHR MOLY ROD AN-QQ-S-684-F4
PART No
STOCK
MATERIAL
SPEC.
LH RH REQ. -0
LH RH REQ. -2
LH RH REQ. √-3
LH RH REQ. -4
LH RH REQ. -5
PARTS LIST PER ASSY
DASH NO. | "A" | CALC. WT.
-6 | 15/64 | .064
-7 | 1/16 | .048
AC
NAVY 130,000 145,000
HEAT TREAT
C.
FINISH
5-29-43 DRAFT
6-2-43 CHECK
STRUCT.
MAT.
APPROV
ENG
OPP. HAND NONE
NAME BUSHING - BEAM - ELEVATOR CENTER HINGE
DWG. B SIZE
28T5132
CONSOLIDATED AIRCRAFT CORP. WF SAN DIEGO, CALIF.
APPOVED FOR TOOLING BY
E E Dalton
6-10-43
R
28T5132

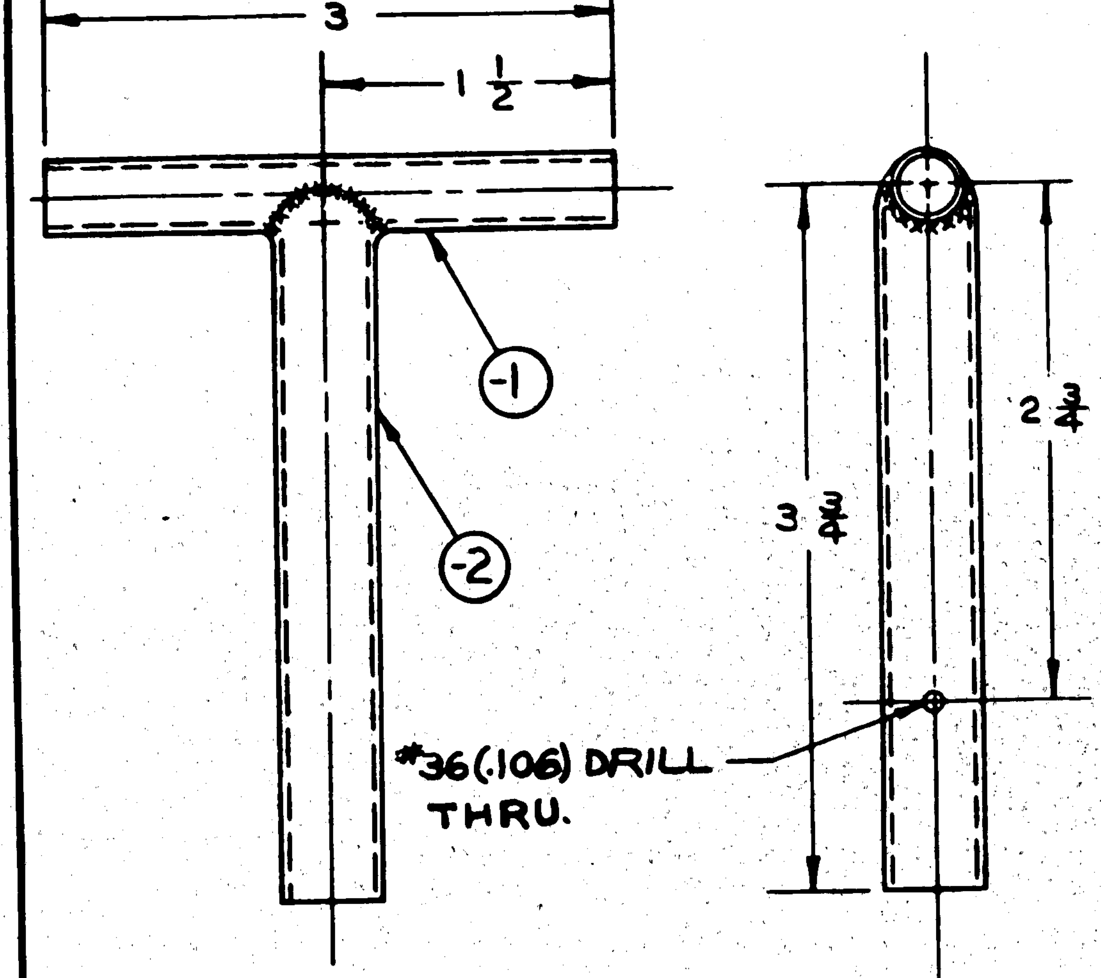


PRESS C'SINK & DRILL FOR AN510 SCREW
SAME AS -6 EXCEPT OMIT 1/16 R. LIP
DETAIL OF -7
DRILL DIA (098)
ALTERATION
ADDED PB2Y-3-29T5001-2 REQ
-7 PB2Y-3-29T5001-2 REQ
TO REQ PER AIRPLANE BLOCK
CREATED -2 ASSEM. SAME AS -0 ASSEM. EXCEPT -8 REPLACES -6
REPLACED INSIDE DIA.(4 5/32) WITH OUTSIDE DIA.(4 7/32)
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASSY.
STAMP PART NUMBER WHERE SHOWN
SCALE 12"=1'-0"
FINISH CODE
NAVY NONE
Z-2P
ENG. FILE
NAME DOOR-INSPECTION
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF
B 29T1195



LET	ALTERATION	DATE	BY
L	TRACED TO DATE	10-7-42	BRUNER
M	ADDED NOTE: "ALTERNATE --- COND. N." WT. CHG. NEG.	10-12-42	MCCURDY

C-70496
*545-559
*849-942



ASSY. DASH No.	MODEL	NEXT ASSY.	REQ	
	PBY-5A	28F3176	1	
	PBY5A	28F4006	1	#541/ON
	LB-30	32F3587	1	
	B24E	32F3841	1	
	B24D	32F3841	1	*83 & ON.
	B24A	32F980	2	*1-20
	B24A	32F977	1	
	B24	32F980	2	*1-6
	B24	32F977	1	
	XB24	32F996	1	#1
	XB24	32F985	1	#1
	XB24	32F980	2	*1-6
	XB24	32F977	1	
	XB24	32F880	1	#1
	PBY-5B	28F4006	1	
	PBY-5B	28F3176	1	
	PBY-5A	28F4006	1	#187
	PBY-5A	28F4006	1	#184
	PBY-5A	28F4006	1	#181
	PBY-5A	28F4006	1	#168
	PBY-5A	28F3176	1	
	PBY-5	28F4006	1	
	PBY-5	28F3176	1	
	28-5MN	28F6076	1	
	28-5MN	28F6066	1	
	28-5MC	28F6318	1	
	28-5MC	28F6120	1	
	28-5AMN	28F4006	1	
	28-5AMN	28F3176	1	
	28-5AMC	28F6318	1	
	28-5AMC	28F6120	1	

REQUIREMENTS PER AIRPLANE

MODEL	NEXT ASSY	REQ.
B24D	32F3523	1
PBY-4	SEE B.M.	
PBY-3	SEE B.M.	
PBY-2	SEE B.M.	SHT.
XP3Y-1	28F1199	1
PBY-1	28F1405	1
PBY-1	28F15061	1
PBY-1	28F1506	1
PBY-1	28F1199	1
PBY-1	28F245	1
PBY-1	28F1306	1
P2Y-2	22U367	1
P2Y-2	22U310	1
P2Y-2	22U306	1
XBY-1	18U020	1
P2Y-3	22U367	1

REPLACES 22U058 1-27-33 — .10# CALC. WT.
REPLACED BY — .10# ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ.	REQ.	REQ.	REQ.
* -2	.035 X 1/2 X 3 7/8	C.M. ST'L TUBE	44T18	1				
* -1	.035 X 3/8 X 3 1/8	C.M. ST'L TUBE	44T18	1				
				-0	[redacted]	[redacted]	[redacted]	[redacted]

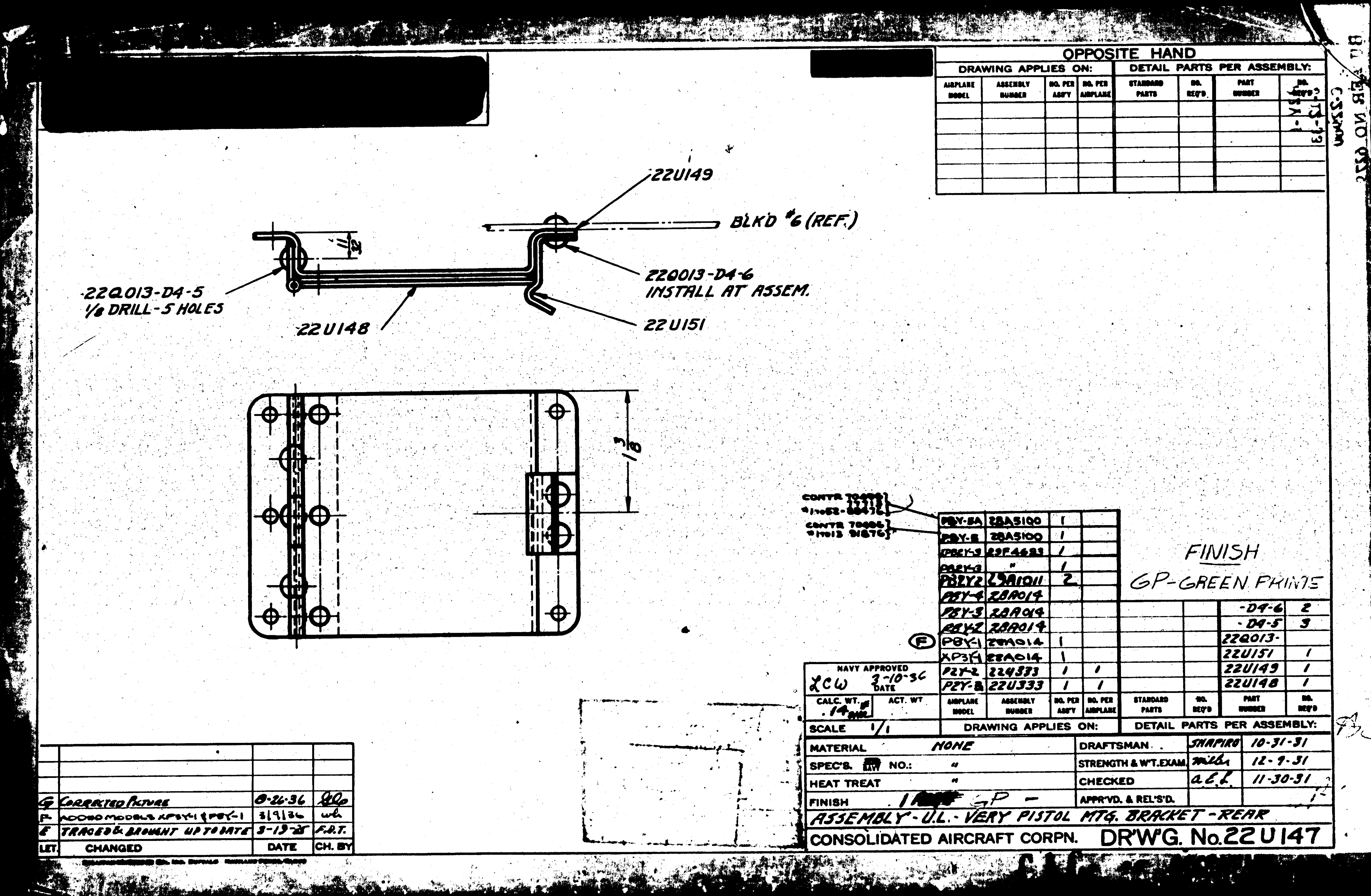
PARTS LIST PER ASSY.

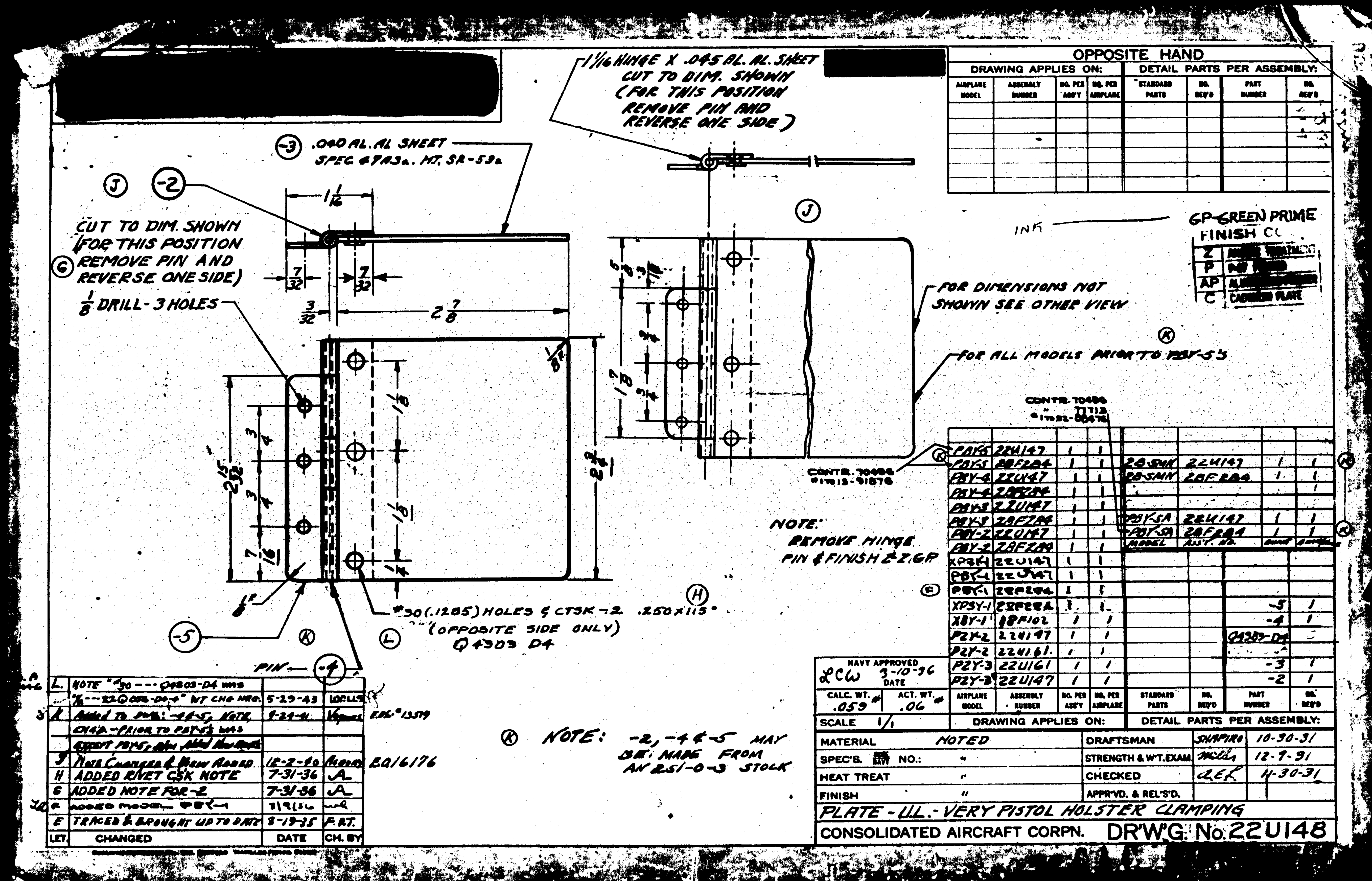
AC		D.					
NAVY NONE	C-P-2G.P.	10-7-42		MILLER		L.C.W. 3-16-36	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

NAME LATCH- ARMAMENT-REAR GUN STOWAGE
OPP. HAND
DWG. SIZE B — 22U058
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

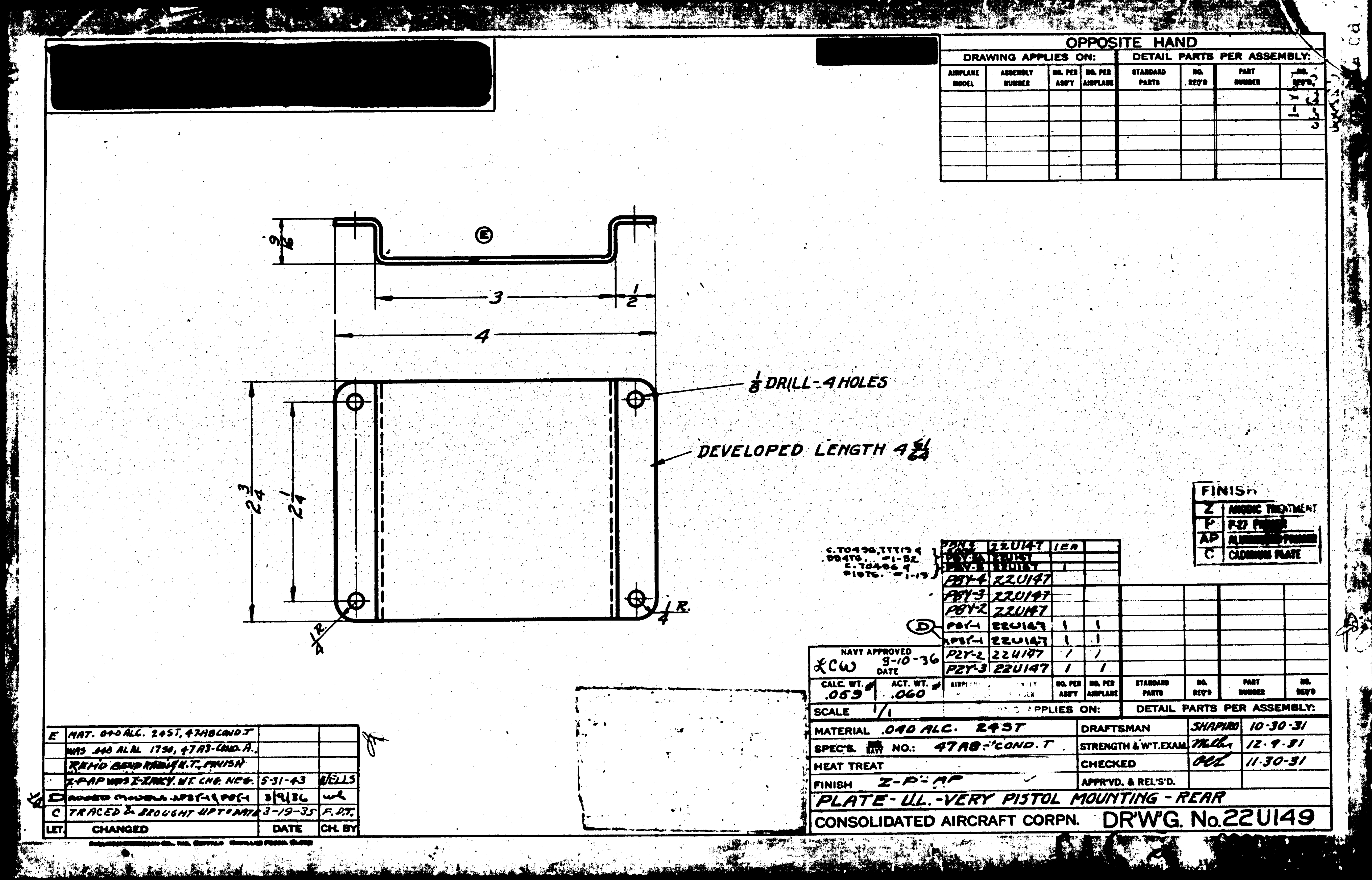
FINISH:
C = CADMIUM PLATE
P = P27 PRIMER
G.P = GREEN PRIMER

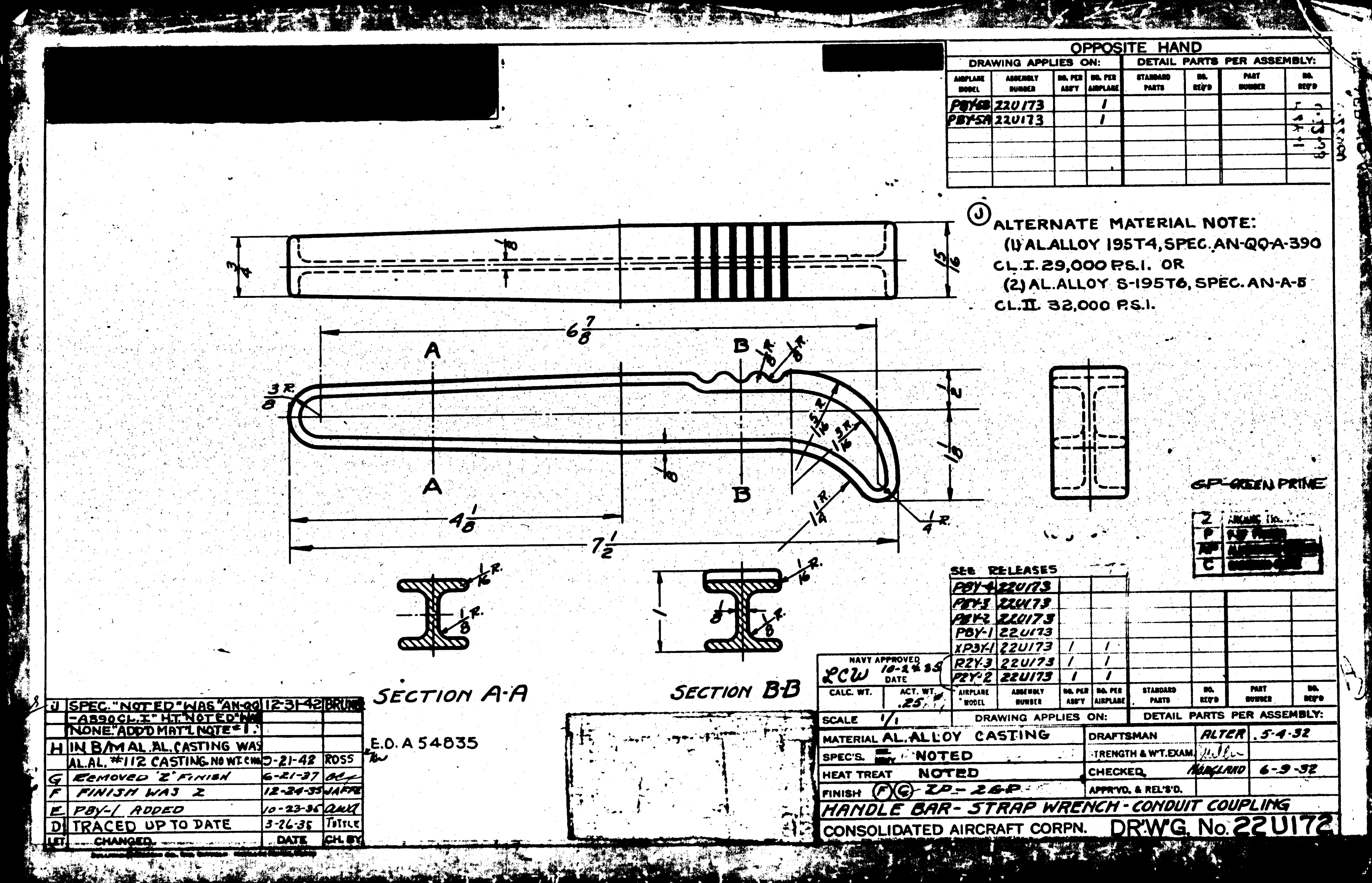
* NOTE -
ALTERNATE MATERIALS FOR -1 & -2 :
(M) CHROME-MOLY WELDED TUBING, AN-T-3, TYPE I, COND. N.
CHROME-MOLY SEAMLESS TUBING, AN-WW-T-850, COND. N.


[redacted]
OPPOSITE HAND
DRAWING APPLIES ON:
DETAIL PARTS PER ASSEMBLY:
AIRPLANE MODEL
ASSEMBLY NUMBER
NO. PER ASS'Y
NO. PER AIRPLANE
STANDARD PARTS
NO. REQ'D
PART NUMBER
NO. REQ'D
22U149
BLK'D #6 (REF.)
22Q013-D4-6
INSTALL AT ASSEM.
22Q013-D4-5
1/8 DRILL-5 HOLES
22U148
22U151
FINISH
GP-GREEN PRIME
PBY-5A 28A5100 1
PBY-5 28A5100 1
PBY-2 29F4683 1
PBY-1 28A014 1
XP3Y-1 28A014 1
P2Y-2 22U333 1 1
P2Y-3 22U333 1 1
-D4-6 2
-D4-5 3
22Q013-
22U151 1
22U149 1
22U148 1
NAVY APPROVED
LCW 3-10-36
DATE
CALC. WT. .14
ACT. WT
SCALE 1/1
MATERIAL NONE
SPEC'S. NAVY NO.: "
HEAT TREAT "
FINISH GP
DRAFTSMAN SHAPIRO 10-31-31
STRENGTH & W'T. EXAM. 12-9-31
CHECKED 11-30-31
APPR'VD. & REL'S'D.
ASSEMBLY - U.L. - VERY PISTOL MTG. BRACKET - REAR
CONSOLIDATED AIRCRAFT CORPN.
DR'WG. No. 22U147
G CORRECTED PICTURE 8-26-36
F ADDED MODELS XP3Y-1 & PBY-1 3/9/36
E TRACED & BROUGHT UP TO DATE 3-13-35 F.D.T.
LET. CHANGED DATE CH. BY

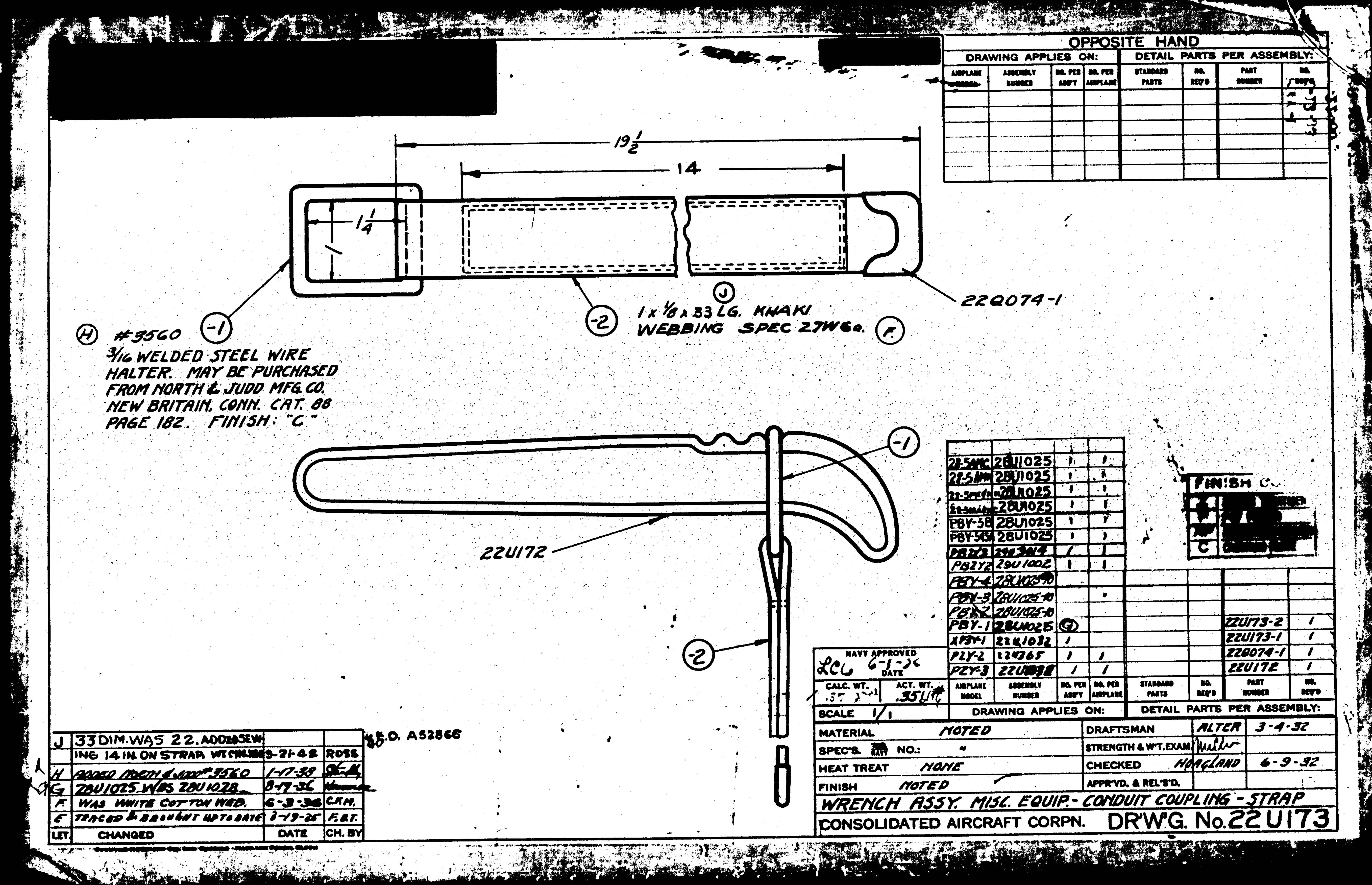


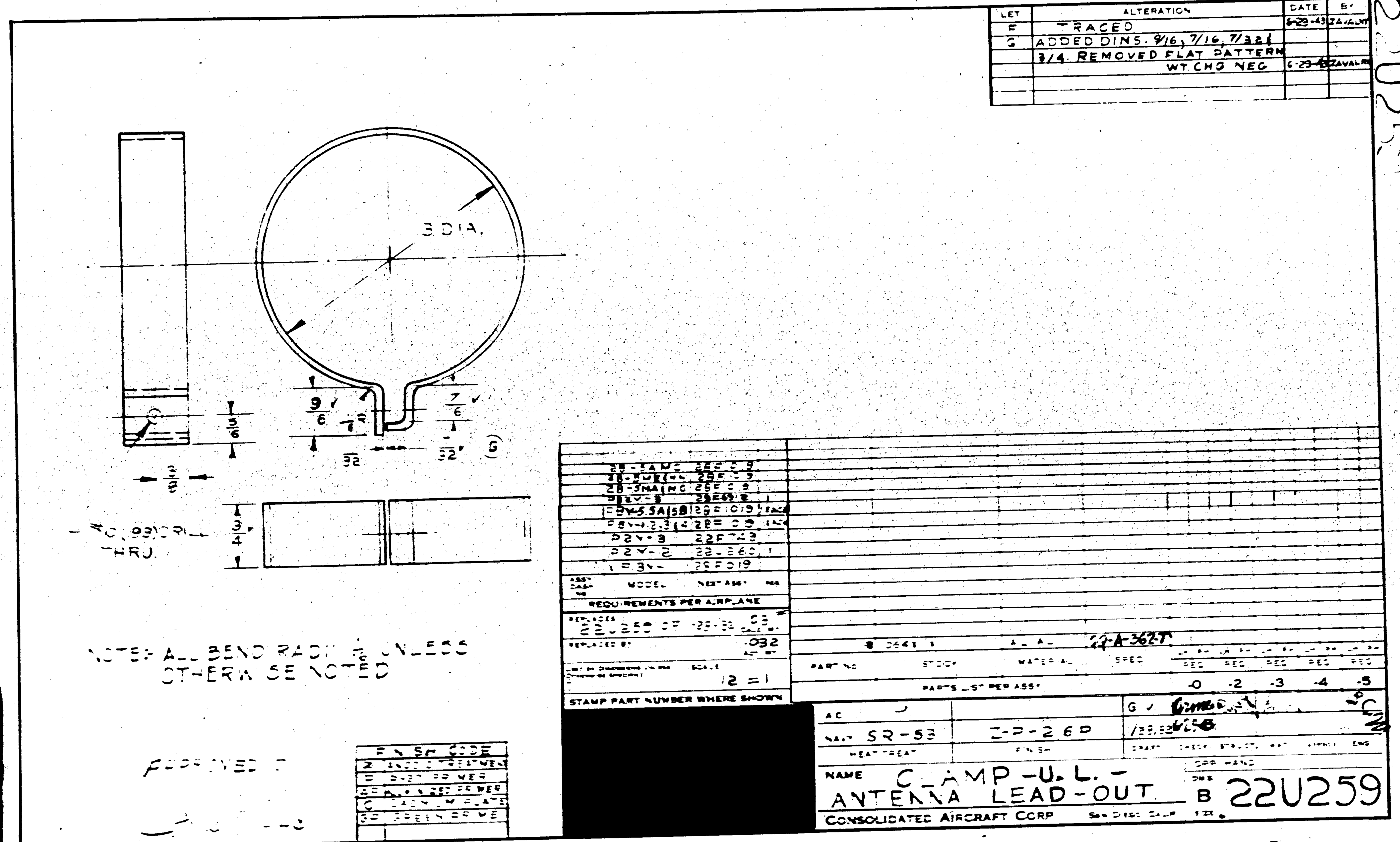
[redacted]
1 1/16 HINGE X .045 AL. AL. SHEET CUT TO DIM. SHOWN (FOR THIS POSITION REMOVE PIN AND REVERSE ONE SIDE)
[redacted]
OPPOSITE HAND
DRAWING APPLIES ON:
DETAIL PARTS PER ASSEMBLY:
AIRPLANE MODEL
ASSEMBLY NUMBER
NO. PER ASS'Y
NO. PER AIRPLANE
STANDARD PARTS
NO. REQ'D
PART NUMBER
NO. REQ'D
-3 .040 AL. AL SHEET SPEC 47A3a. HT. SR-53a
J
-2
1 1/16
CUT TO DIM. SHOWN (FOR THIS POSITION REMOVE PIN AND REVERSE ONE SIDE)
G
7/32
7/32
3/32
2 7/8
1/8 DRILL - 3 HOLES
1/8 R
3/4
3/4
7/16
2 15/32
1 1/8
1 1/8
1/4
2 3/4
1/8 R
J
FOR DIMENSIONS NOT SHOWN SEE OTHER VIEW
FOR ALL MODELS PRIOR TO PBY-5'S
K
INK
GP-GREEN PRIME
FINISH CO
Z
P
AP
C
CONTR. 70486
#17032-00678
CONTR. 70486
#17013-91876
NOTE: REMOVE HINGE PIN & FINISH Z-Z.GP
PBY-5 22U147 1 1
PBY-5 28F284 1 1 28-5MK 22U147 1 1
PBY-4 22U147 1 1 28-5MK 28F284 1 1
PBY-4 28F284 1 1
PBY-3 22U147 1 1
PBY-3 28F284 1 1 PBY-5A 22U147 1 1
PBY-2 22U147 1 1 PBY-5A 28F284 1 1
PBY-2 28F284 1 1
XP3Y-1 22U147 1 1
PBY-1 22U147 1 1
PBY-1 28F284 1 1
XP3Y-1 28F28A 1 1 -5 1
XBY-1 18F102 1 1 -4 1
P2Y-2 22U147 1 1 Q4303-D4
P2Y-2 22U161 1 1
P2Y-3 22U161 1 1 -3 1
P2Y-3 22U147 1 1 -2 1
F
H
#30 (.1285) HOLES & CTSK - 2 .250 X 115° (OPPOSITE SIDE ONLY) Q4303 D4
-5
K
L
PIN -4
K NOTE: -2, -4 & -5 MAY BE MADE FROM AN 251-0-3 STOCK
L NOTE "#30 --- Q4303-D4 WAS "% --- 22 Q 056-D4-4" WT CHG NEG. 5-29-43
K Added to DWG: -4 & -5, NOTE CHG'D - PRIOR TO PBY-5'S WAS 9-29-41 ENG. 13519
J Note Changed & New Added 12-2-40 EQ16176
H ADDED RIVET CSK NOTE 7-31-36 A
G ADDED NOTE FOR -2 7-31-36 A
F ADDED MODEL PBY-1 3/9/36
E TRACED & BROUGHT UP TO DATE 8-19-35 F.R.T.
LET. CHANGED DATE CH. BY
NAVY APPROVED LCW 3-10-36 DATE
CALC. WT. .059 #
ACT. WT. .06 #
SCALE 1/1
MATERIAL NOTED
SPEC'S. NO.: "
HEAT TREAT "
FINISH "
DRAFTSMAN SHAPIRO 10-30-31
STRENGTH & W'T. EXAM. 12-9-31
CHECKED 11-30-31
APPR'VD. & REL'S'D.
PLATE - UL. - VERY PISTOL HOLSTER CLAMPING
CONSOLIDATED AIRCRAFT CORPN.
DR'W'G. No. 22U148


[redacted]
OPPOSITE HAND
DRAWING APPLIES ON:
DETAIL PARTS PER ASSEMBLY:
AIRPLANE MODEL
ASSEMBLY NUMBER
NO. PER ASS'Y
NO. PER AIRPLANE
STANDARD PARTS
NO. REQ'D
PART NUMBER
NO. REQ'D
E
9/16
3
1/2
4
1/8 DRILL - 4 HOLES
DEVELOPED LENGTH 4 61/64
2 3/4
2 1/4
1/4 R.
1/4 R.
FINISH
Z ANODIC TREATMENT
P
AP
C CADMIUM PLATE
P2Y-3 22U147 1EA
PBY-4 22U147
PBY-3 22U147
PBY-2 22U147
D PBY-1 22U147 1 1
XPBY-1 22U147 1 1
P2Y-2 22U147 1 1
P2Y-3 22U147 1 1
NAVY APPROVED
LCW 9-10-36
DATE
CALC. WT. .059#
ACT. WT. .060#
SCALE 1/1
APPLIES ON:
DETAIL PARTS PER ASSEMBLY:
MATERIAL .040 ALC. 24ST
SPEC'S. NAVY NO.: 47A8 - COND. T
HEAT TREAT
FINISH Z-P-AP
DRAFTSMAN SHAPIRO 10-30-31
STRENGTH & W'T. EXAM. Miller 12-9-31
CHECKED 11-30-31
APPR'VD. & REL'S'D.
PLATE - U.L. - VERY PISTOL MOUNTING - REAR
CONSOLIDATED AIRCRAFT CORPN. DR'W'G. No. 22U149
E MAT. .040 ALC. 24ST, 47A8 COND. T
WAS .040 AL AL 17SO, 47A3-COND. A.
Z-P-AP WAS Z-ZACY. WT. CNG. NEG. 5-31-43 WELLS
D ADDED MODELS XPBY-1 & PBY-1 3/9/36
C TRACED & BROUGHT UP TO DATE 3-19-35 F.D.T.
LET. CHANGED DATE CH. BY

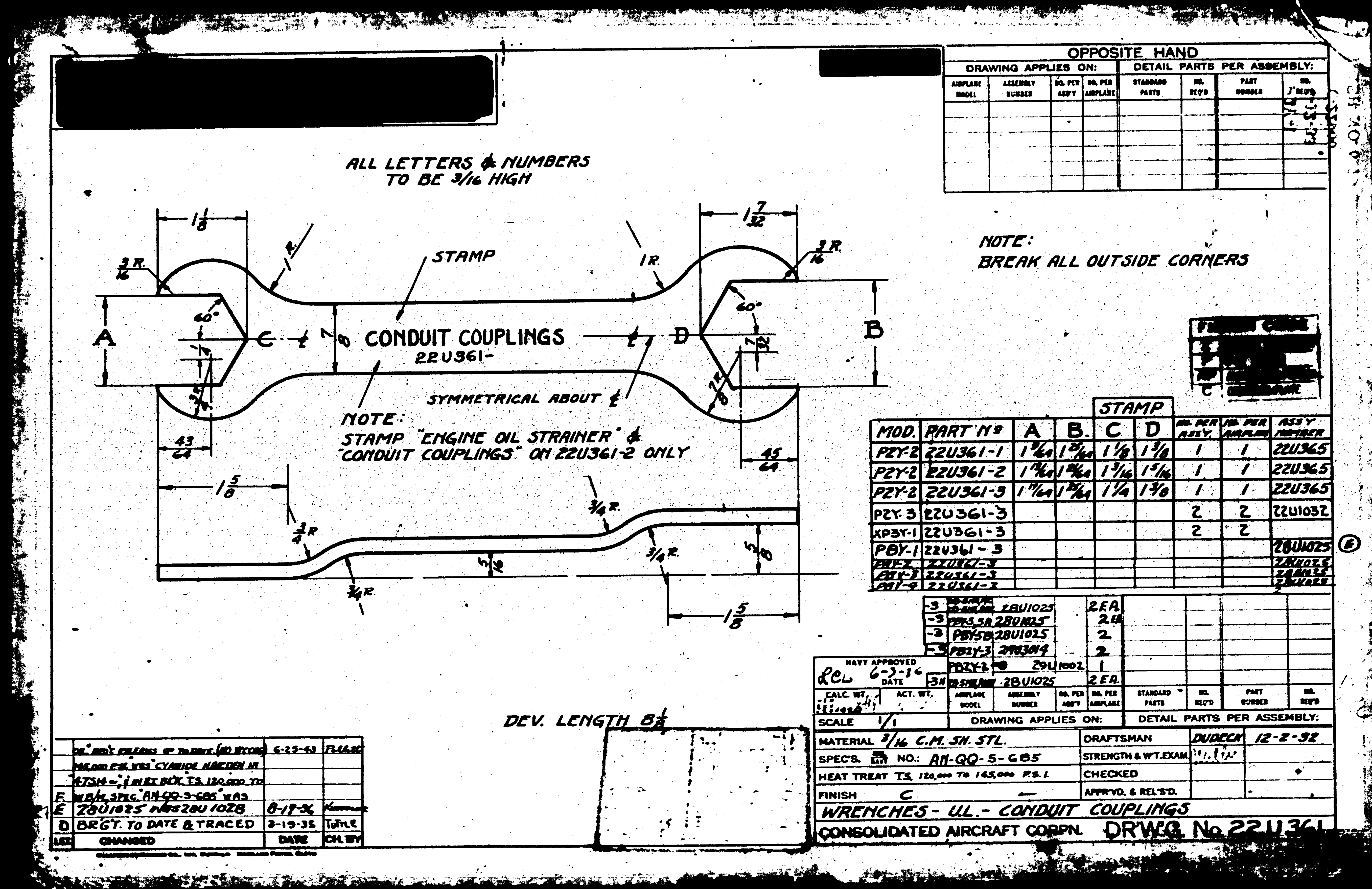


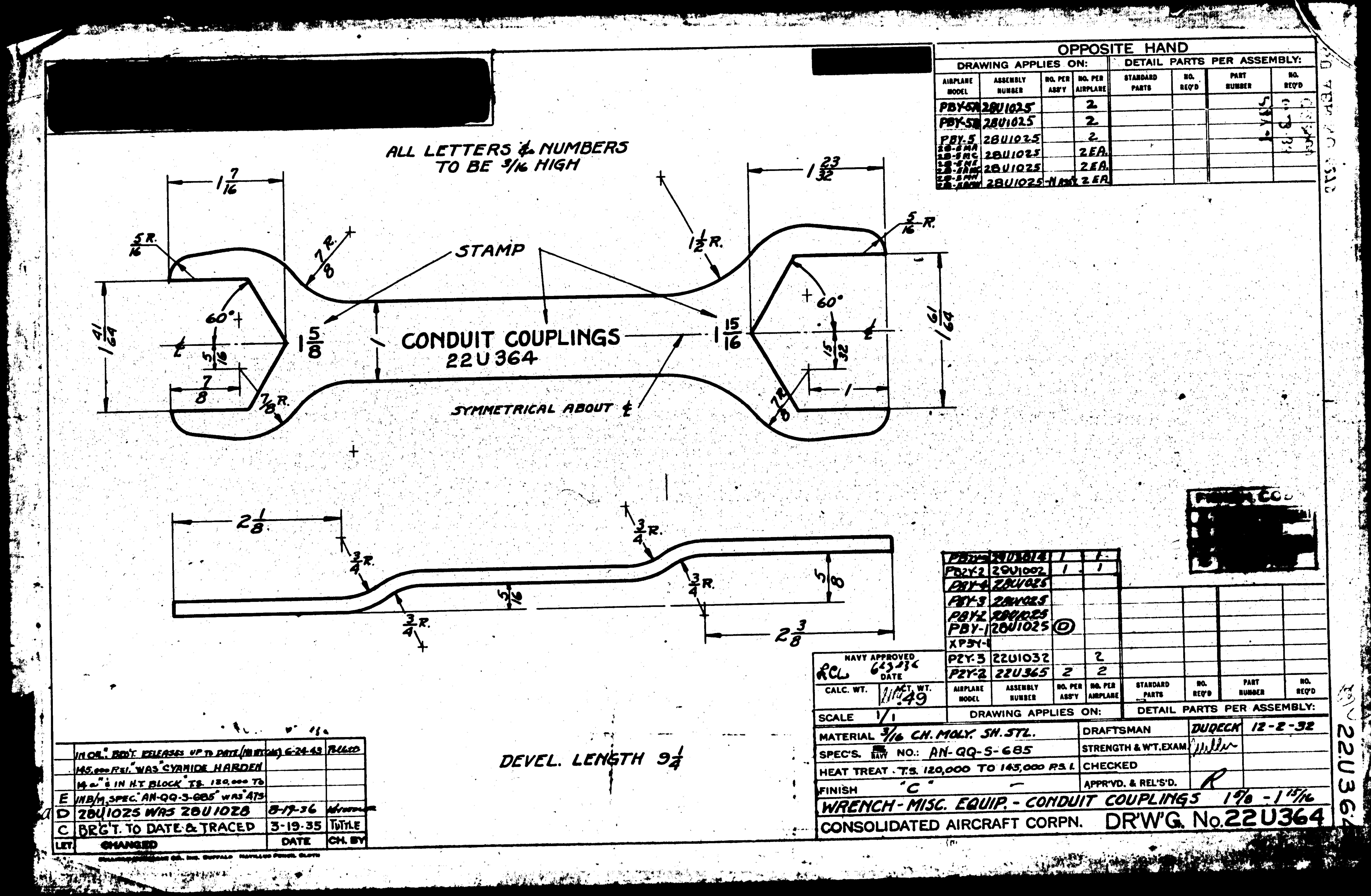
[redacted]
OPPOSITE HAND
DRAWING APPLIES ON:
DETAIL PARTS PER ASSEMBLY:
AIRPLANE MODEL | ASSEMBLY NUMBER | NO. PER ASS'Y | NO. PER AIRPLANE | STANDARD PARTS | NO. REQ'D | PART NUMBER | NO. REQ'D
PBY-5B 22U173 1
PBY-5A 22U173 1
(J) ALTERNATE MATERIAL NOTE:
(1) ALALLOY 195T4, SPEC. AN-QQ-A-390 CL.I. 29,000 P.S.I. OR
(2) AL. ALLOY S-195T6, SPEC. AN-A-5 CL.II. 32,000 P.S.I.
6 7/8
4 1/8
7 1/2
3/8 R.
5/16 R.
3/16 R.
1/4 R.
1/16 R.
1/8 R.
A
B
GP-GREEN PRIME
SECTION A-A
SECTION B-B
E.O. A 54835
SEE RELEASES
PBY-4 22U173
PBY-3 22U173
PBY-2 22U173
PBY-1 22U173
XP3Y-1 22U173 1 1
P2Y-3 22U173 1 1
P2Y-2 22U173 1 1
NAVY APPROVED LCW 10-2-35 DATE
CALC. WT. | ACT. WT. .25
SCALE 1/1
MATERIAL AL. ALLOY CASTING
SPEC'S. NOTED
HEAT TREAT NOTED
FINISH (F)(G) ZP-2GP
DRAFTSMAN ALTER 5-4-32
STRENGTH & WT. EXAM.
CHECKED 6-9-32
APPR'VD. & REL'S'D.
HANDLE BAR - STRAP WRENCH - CONDUIT COUPLING
CONSOLIDATED AIRCRAFT CORPN. DR'W'G. No. 22U172
J SPEC. "NOTED" WAS "AN-QQ-A390 CL.I" H.T. NOTED WAS NONE. ADD'D MAT'L NOTE 1. 12-31-42 BRUNE
H IN B/M AL. AL. CASTING WAS AL. AL. #112 CASTING. NO WT. CHG. 5-21-42 ROSS
G REMOVED 'Z' FINISH 6-21-37
F FINISH WAS Z 12-24-35 JAFFE
E PBY-1 ADDED 10-23-35
D TRACED UP TO DATE 3-26-35 TUTTLE
LET. CHANGED DATE CH. BY

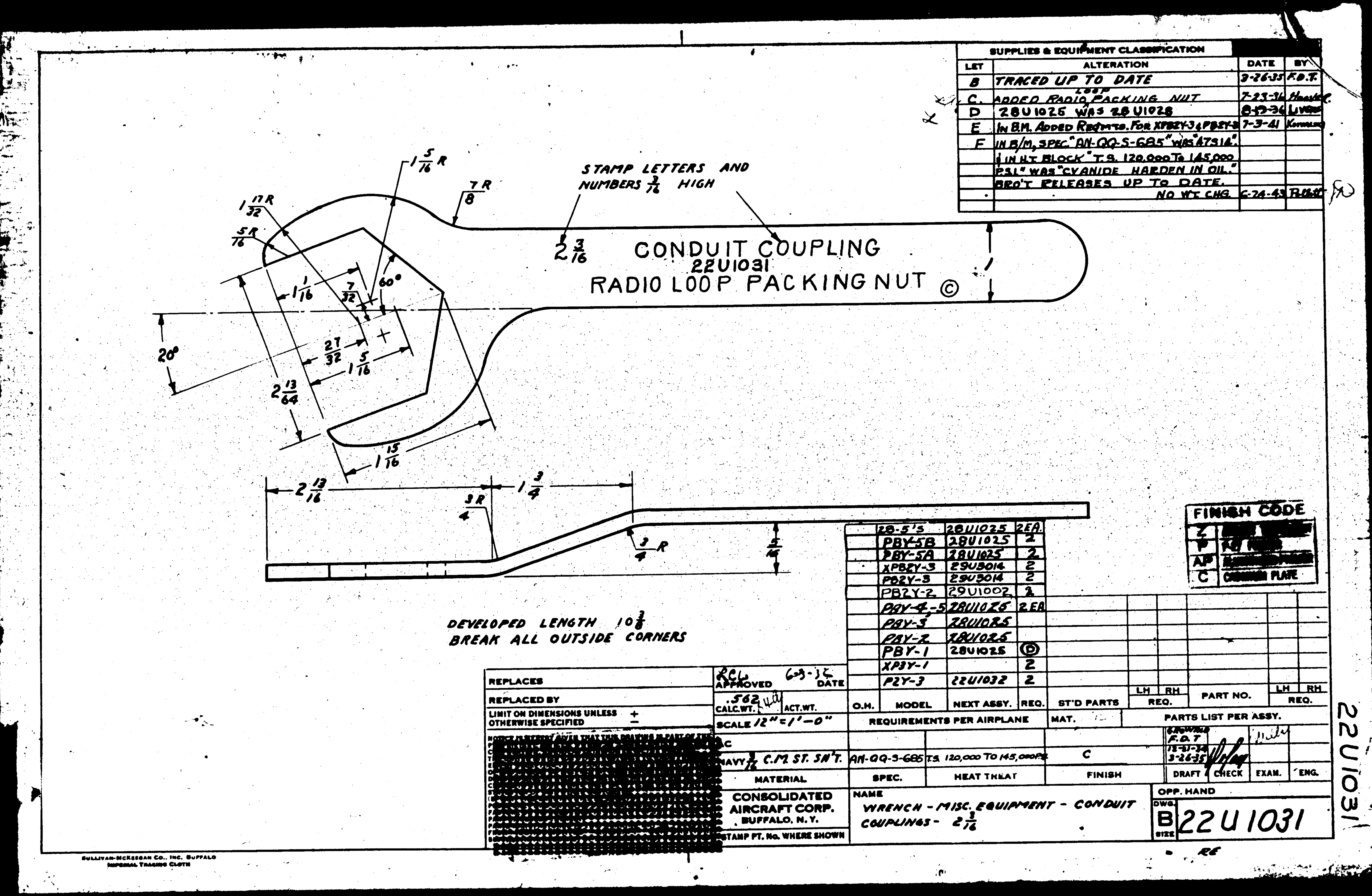

[redacted]
OPPOSITE HAND
DRAWING APPLIES ON:
DETAIL PARTS PER ASSEMBLY:
AIRPLANE MODEL
ASSEMBLY NUMBER
NO. PER ASS'Y
NO. PER AIRPLANE
STANDARD PARTS
NO. REQ'D
PART NUMBER
NO. REQ'D
19 1/2
14
1 1/4
1
-1
-2
22Q074-1
H #3560
3/16 WELDED STEEL WIRE HALTER. MAY BE PURCHASED FROM NORTH & JUDD MFG. CO. NEW BRITAIN, CONN. CAT. 88 PAGE 182. FINISH: "C"
J
1 x 1/8 x 33 LG. KHAKI WEBBING SPEC 27W6a. F
22U172
FINISH C
C
28-5AMC 28U1025 1 1
28-5 28U1025 1 1
28U1025 1 1
28U1025 1 1
PBY-5B 28U1025 1 1
PBY-5 28U1025 1 1
PB2Y2 29U1002 1 1
PBY-4 28U1025-10
PBY-3 28U1025-10
PBY-2 28U1025-10
PBY-1 28U1025 G
XPBY-1 22U1032 1
P2Y-2 22U365 1 1
P2Y-3 22U 1 1
22U173-2 1
22U173-1 1
22Q074-1 1
22U172 1
NAVY APPROVED
LCG 6-3-36
DATE
CALC. WT. .35
ACT. WT. .35
SCALE 1/1
DRAWING APPLIES ON:
DETAIL PARTS PER ASSEMBLY:
MATERIAL NOTED
SPEC'S. NAVY NO.: "
HEAT TREAT NONE
FINISH NOTED
DRAFTSMAN ALTER 3-4-32
STRENGTH & W'T. EXAM.
CHECKED HOAGLAND 6-9-32
APPR'VD. & REL'S'D.
WRENCH ASSY. MISC. EQUIP. - CONDUIT COUPLING - STRAP
CONSOLIDATED AIRCRAFT CORPN.
DR'WG. No. 22U173
E.O. A52866
J 33 DIM. WAS 22. ADDED SEWING 14 IN. ON STRAP 9-21-42 ROSS
H ADDED NORTH & JUDD #3560 1-17-38
G 28U1025 WAS 28U1028 8-19-36
F WAS WHITE COTTON WEB. 6-3-36 C.F.M.
E TRACED & BROUGHT UP TO DATE 3-19-35 F.B.T.
LET. CHANGED DATE CH. BY



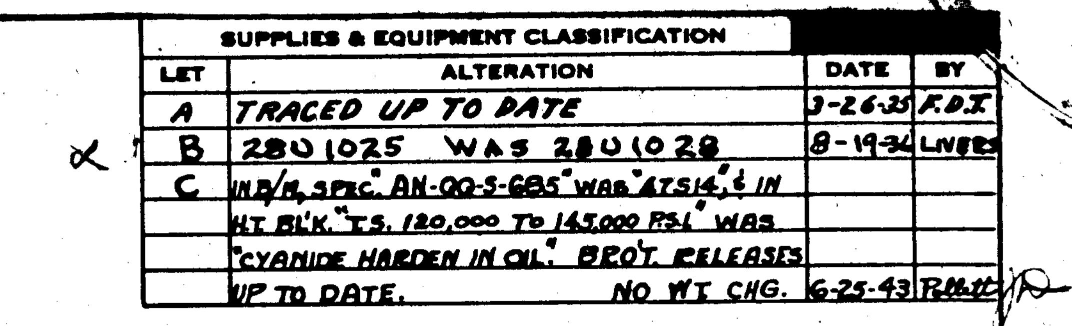
LET | ALTERATION | DATE | BY
F | TRACED | 6-29-43 | ZAVALNY
G | ADDED DIMS. 9/16, 7/16, 7/32 & 3/4. REMOVED FLAT PATTERN WT. CHG NEG | 6-29-43 | ZAVALNY
3 DIA.
NOTE: ALL BEND RADII 1/16 UNLESS OTHERWISE NOTED
REQUIREMENTS PER AIRPLANE
STAMP PART NUMBER WHERE SHOWN
PARTS LIST PER ASSY
FINISH CODE
SR-53
22A-362-T
.032
NAME CLAMP - U.L. - ANTENNA LEAD-OUT
B 22U259
CONSOLIDATED AIRCRAFT CORP


[redacted]
OPPOSITE HAND
DRAWING APPLIES ON:
DETAIL PARTS PER ASSEMBLY:
AIRPLANE MODEL
ASSEMBLY NUMBER
NO. PER ASS'Y
NO. PER AIRPLANE
STANDARD PARTS
NO. REQ'D
PART NUMBER
NO. REQ'D
ALL LETTERS & NUMBERS TO BE 3/16 HIGH
NOTE: BREAK ALL OUTSIDE CORNERS
STAMP
CONDUIT COUPLINGS
22U361-
SYMMETRICAL ABOUT ℄
NOTE: STAMP "ENGINE OIL STRAINER" & "CONDUIT COUPLINGS" ON 22U361-2 ONLY
A
B
C
D
60°
1R.
3/16 R.
1 1/8
1 7/32
7/8
43/64
45/64
1 5/8
3/4 R.
5/8
3/16
DEV. LENGTH 8 3/4
MOD. | PART Nº | A | B. | STAMP C | STAMP D | NO. PER ASSY. | NO. PER AIRPLANE | ASSY NUMBER
P2Y-2 | 22U361-1 | 1 9/64 | 1 25/64 | 1 1/8 | 1 3/8 | 1 | 1 | 22U365
P2Y-2 | 22U361-2 | 1 13/64 | 1 25/64 | 1 3/16 | 1 5/16 | 1 | 1 | 22U365
P2Y-2 | 22U361-3 | 1 17/64 | 1 25/64 | 1 1/4 | 1 3/8 | 1 | 1 | 22U365
P2Y-3 | 22U361-3 | | | | | 2 | 2 | 22U1032
XP3Y-1 | 22U361-3 | | | | | 2 | 2 |
PBY-1 | 22U361-3 | | | | | | | 28U1025
PBY-2 | 22U361-3 | | | | | | | 28U1025
PBY-3 | 22U361-3 | | | | | | | 28U1025
PBY-4 | 22U361-3 | | | | | | | 28U1025
-3 | 28U1025 | 2 EA.
-3 | PBY-5,5A | 28U1025 | 2 EA.
-3 | PBY-5B | 28U1025 | 2
-3 | PB2Y-3 | 29U3014 | 2
PB2Y-2 | 29U1002 | 1
-3 | 28U1025 | 2 EA.
NAVY APPROVED
LCL 6-3-36
DATE
CALC. WT.
ACT. WT.
SCALE 1/1
DRAWING APPLIES ON:
DETAIL PARTS PER ASSEMBLY:
MATERIAL 3/16 C.M. SH. STL.
SPEC'S. NO.: AN-QQ-S-685
HEAT TREAT T.S. 125,000 TO 145,000 P.S.I.
FINISH C
DRAFTSMAN DUDECK 12-2-32
STRENGTH & WT. EXAM.
CHECKED
APPR'VD. & REL'S'D.
WRENCHES - UL. - CONDUIT COUPLINGS
CONSOLIDATED AIRCRAFT CORPN.
DR'W'G. No. 22U361
F | SPEC AN-QQ-S-685 WAS ... T.S. 120,000 ... CYANIDE HARDEN | 6-25-43
E | 28U1025 WAS 28U1028 | 8-19-36
D | BRG'T. TO DATE & TRACED | 3-19-35 | TUTTLE
LET. | CHANGED | DATE | CH. BY


[redacted]
OPPOSITE HAND
DRAWING APPLIES ON:
DETAIL PARTS PER ASSEMBLY:
AIRPLANE MODEL
ASSEMBLY NUMBER
NO. PER ASS'Y
NO. PER AIRPLANE
STANDARD PARTS
NO. REQ'D
PART NUMBER
NO. REQ'D
PBY-5A 28U1025 2
PBY-5B 28U1025 2
PBY-5 28U1025 2
28U1025 2 EA.
28U1025 2 EA.
28U1025 2 EA.
ALL LETTERS & NUMBERS TO BE 3/16 HIGH
STAMP
CONDUIT COUPLINGS
22U364
SYMMETRICAL ABOUT ℄
1 7/16
1 23/32
5/16 R.
7/8 R.
1 1/2 R.
60°
1 5/8
1 15/16
1 41/64
1 61/64
5/16
15/32
7/8
1
2 1/8
3/4 R.
5/16
5/8
2 3/8
DEVEL. LENGTH 9 1/4
PBY-2 28U1025
PBY-1 28U1025
XP3Y-1
P2Y-3 22U1032 2
P2Y-2 22U365 2 2
NAVY APPROVED
DATE
CALC. WT.
ACT. WT. .49
SCALE 1/1
MATERIAL 3/16 CH. MOLY. SH. STL.
SPEC'S. NAVY NO.: AN-QQ-S-685
HEAT TREAT T.S. 120,000 TO 145,000 P.S.I.
FINISH "C"
DRAFTSMAN DUDECK 12-2-32
STRENGTH & WT. EXAM.
CHECKED
APPR'VD. & REL'S'D.
WRENCH - MISC. EQUIP. - CONDUIT COUPLINGS 1 5/8 - 1 15/16
CONSOLIDATED AIRCRAFT CORPN.
DR'W'G. No. 22U364
E IN/B/M, SPEC. AN-QQ-S-685 WAS AT3
D 28U1025 WAS 28U1028 8-19-36
C BRG'T. TO DATE & TRACED 3-19-35 TUTTLE
LET. CHANGED DATE CH. BY
22U364

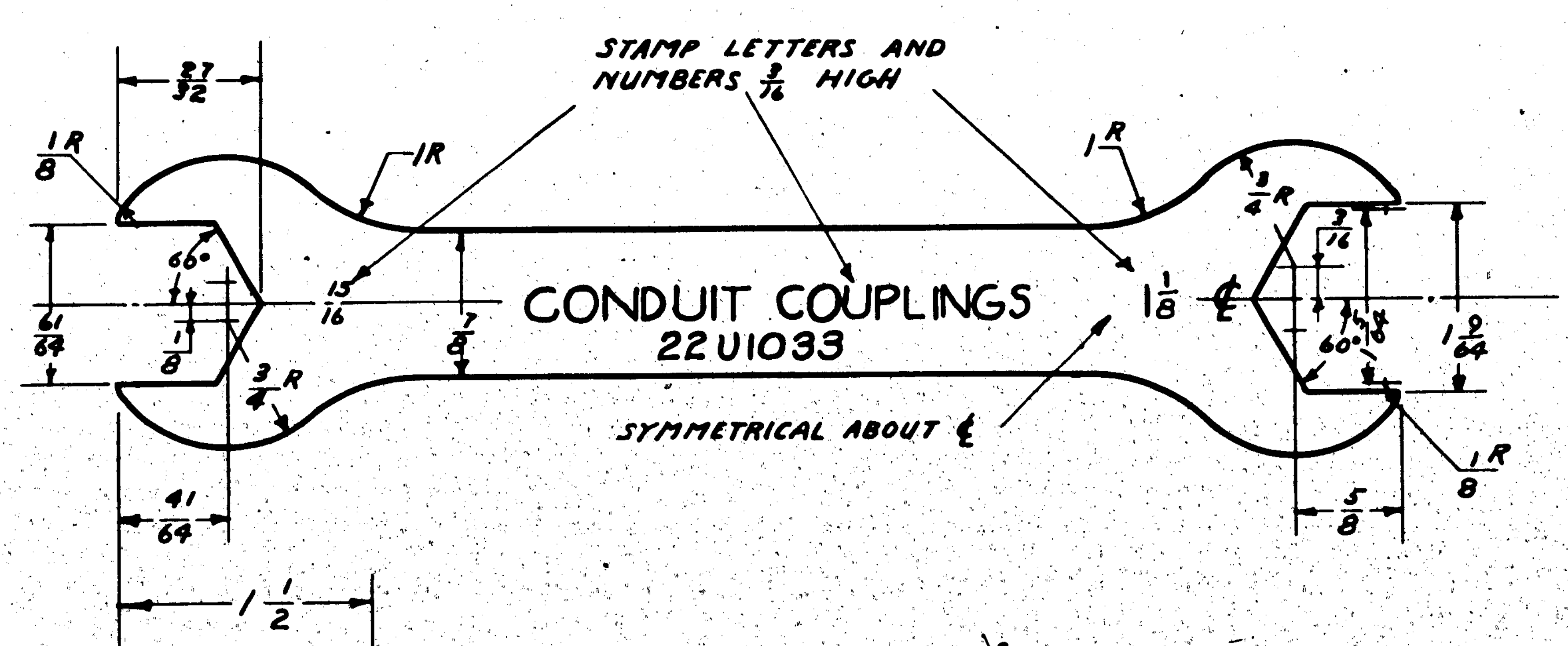


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B TRACED UP TO DATE 3-26-35 F.D.T.
C. ADDED RADIO LOOP PACKING NUT 7-23-36
D 28U1025 WAS 28U1028
E IN B.M. ADDED REQ'MTS. FOR XPB2Y-3 & PB2Y-3 7-3-41
F IN B/M, SPEC. "AN-QQ-S-685" WAS "A7314". & IN H.T. BLOCK "T.S. 120,000 TO 145,000 PSI" WAS "CYANIDE HARDEN IN OIL." BRO'T RELEASES UP TO DATE. NO WT CHG. 6-24-43
STAMP LETTERS AND NUMBERS 3/16 HIGH
2 3/16
CONDUIT COUPLING
22U1031
RADIO LOOP PACKING NUT ©
1 5/16 R
7/8 R
1 17/32 R
5/16 R
1 1/16
7/32
60°
20°
27/32
1 5/16
2 13/64
1 15/16
2 13/16
1 3/4
3/4 R
5/16
DEVELOPED LENGTH 10 3/8
BREAK ALL OUTSIDE CORNERS
FINISH CODE
C CADMIUM PLATE
28-5'S 28U1025 2EA.
PBY-5B 28U1025 2
PBY-5A 28U1025 2
XPB2Y-3 29U5014 2
PB2Y-3 29U5014 2
PB2Y-2 29U1002 2
PBY-4,-5 28U1025 2EA
PBY-3 28U1025
PBY-2 28U1025
PBY-1 28U1025 (D)
XP3Y-1 2
P2Y-3 22U1032 2
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
[redacted]
APPROVED DATE
CALC.WT. .562 ACT.WT.
SCALE 12" = 1'-0"
NAVY 3/16 C.M. ST. SH'T. AN-QQ-S-685 T.S. 120,000 TO 145,000 PSI C
MATERIAL SPEC. HEAT TREAT FINISH
MAT.
F.D.T. 3-26-35
DRAFT CHECK EXAM. ENG.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME WRENCH - MISC. EQUIPMENT - CONDUIT COUPLINGS - 2 3/16
DWG. SIZE B 22U1031
22U1031
SULLIVAN-MCKEEGAN CO., INC. BUFFALO
IMPERIAL TRACING CLOTH

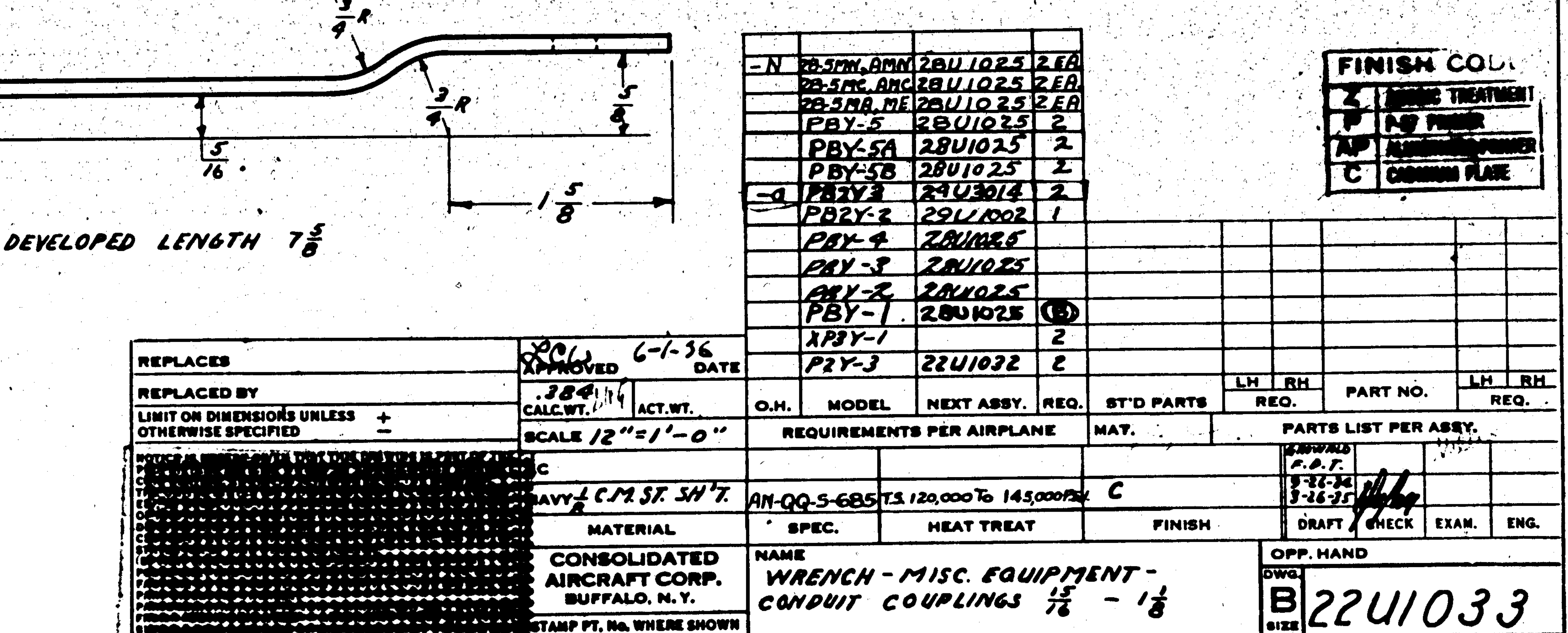


SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
A	TRACED UP TO DATE	3-26-35	F.D.T.
B	28U1025 WAS 28U1028	8-19-36	LNEBS
C	IN B/M, SPEC. AN-QQ-S-685 WAS 47S14, 1/4 IN HT BL'K. T.S. 120,000 TO 145,000 P.S.I. WAS "CYANIDE HARDEN IN OIL". BRO'T RELEASES UP TO DATE. NO WT CHG.	6-25-43	



NOTE
BLANKING DIE 22U363 CAN BE REWORKED FOR THIS WRENCH. ALL DIMENSIONS ARE THE SAME AS 22U363 EXCEPT 1 5/64 END IS NOW 1 9/64 FOR 1 1/8 HEX.
BREAK ALL OUTSIDE CORNERS.



O.H.	MODEL	NEXT ASSY.	REQ.
-N	28-5MA, AMN	28U1025	2 EA
	28-5MC, AMC	28U1025	2 EA
	28-5MA, ME	28U1025	2 EA
	PBY-5	28U1025	2
	PBY-5A	28U1025	2
	PBY-5B	28U1025	2
-a	PB2Y-3	29U3014	2
	PB2Y-2	29U1002	1
	PBY-4	28U1025	
	PBY-3	28U1025	
	PBY-2	28U1025	
	PBY-1	28U1025	(B)
	XP3Y-1		2
	P2Y-3	22U1032	2

REQUIREMENTS PER AIRPLANE

FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINUM PRIMER
C	CADMIUM PLATE

ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
MAT. | PARTS LIST PER ASSY.

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
[redacted]

APPROVED 6-1-36 DATE
.384 CALC. WT. | ACT. WT.
SCALE 12" = 1'-0"

MATERIAL	SPEC.	HEAT TREAT	FINISH
NAVY 1/8 C.M. ST. SH'T.	AN-QQ-S-685	T.S. 120,000 TO 145,000 P.S.I.	C

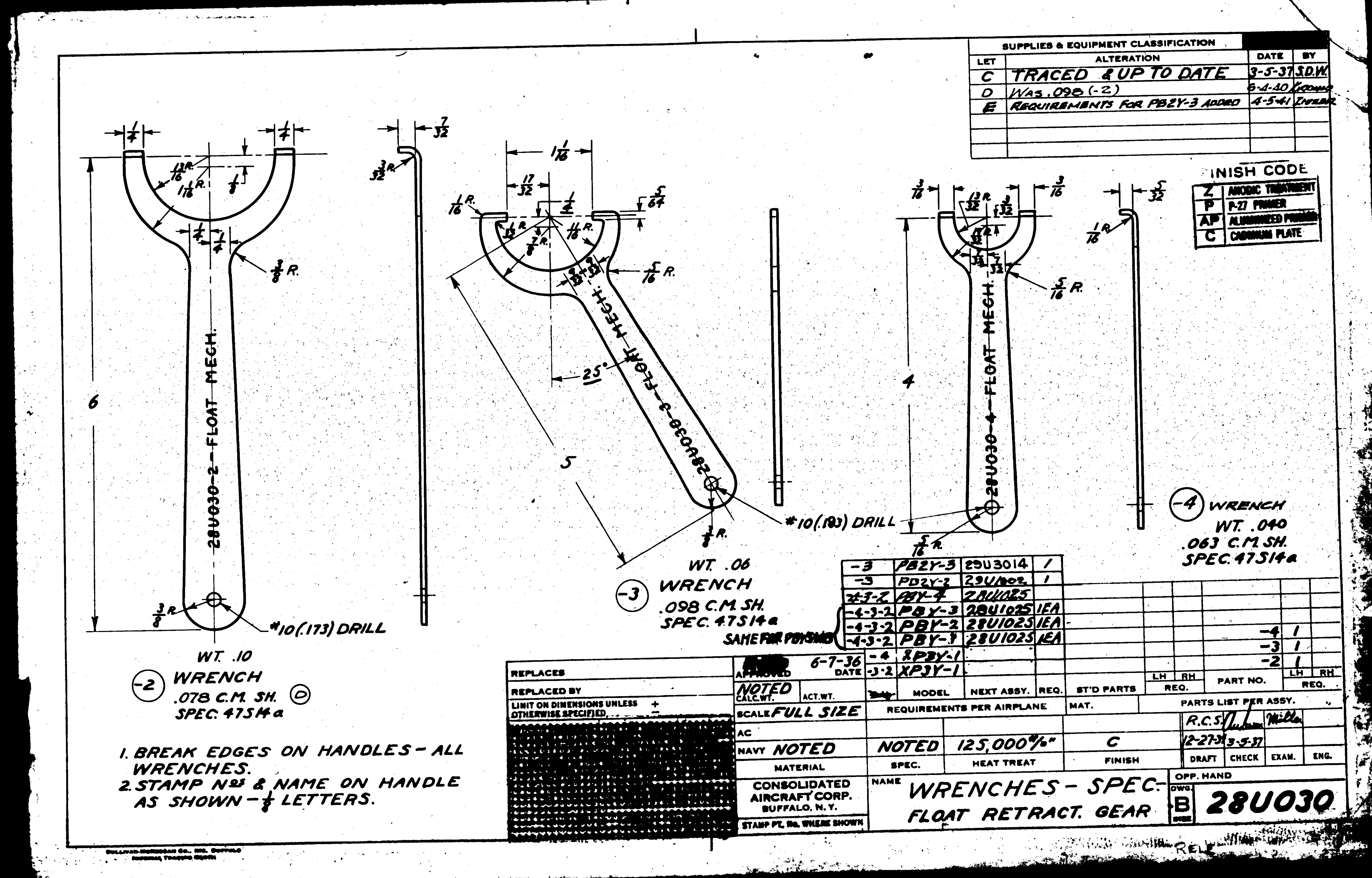
F.D.T. 3-26-35 — DRAFT | CHECK | EXAM. | ENG.

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN

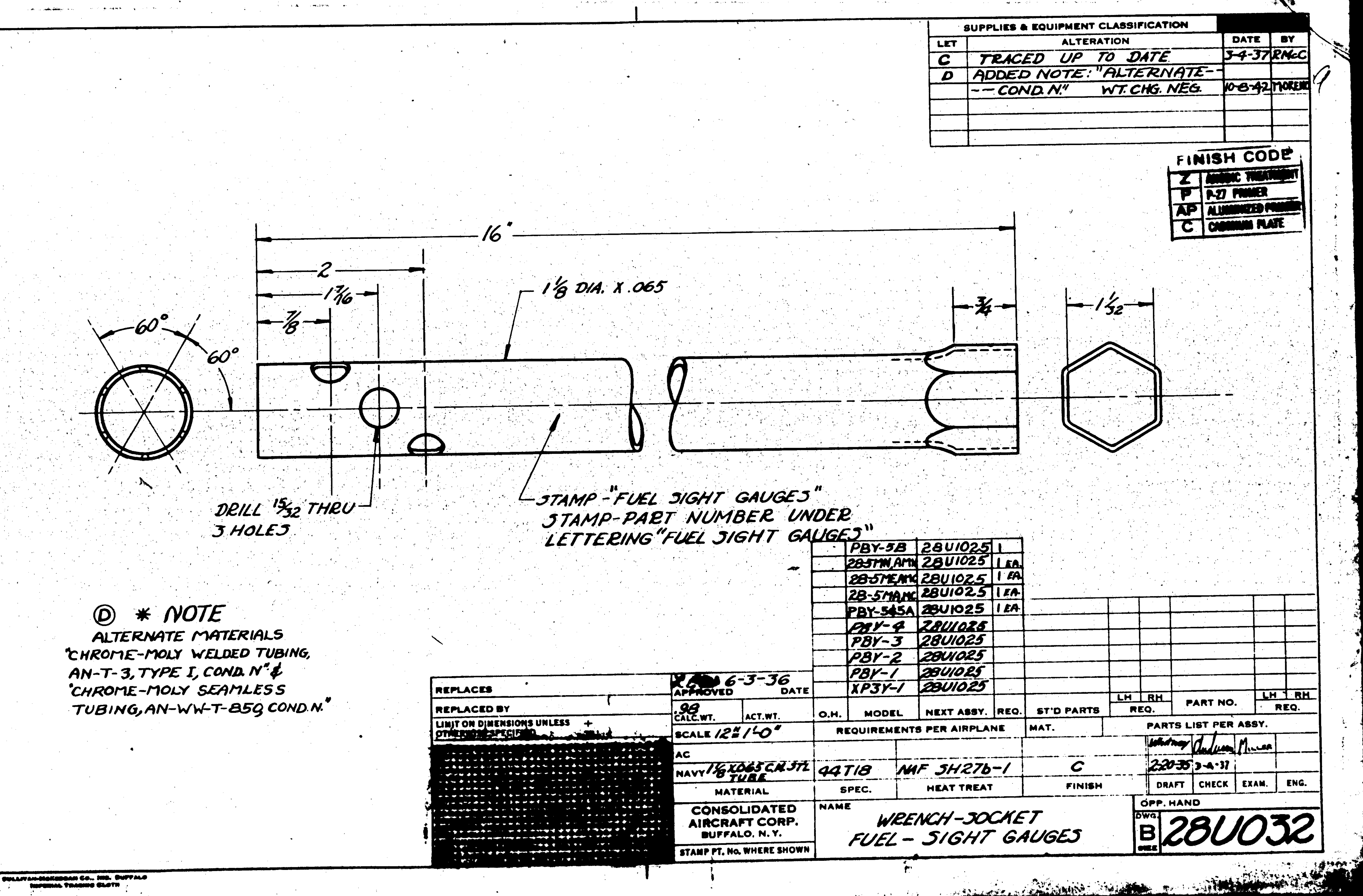
NAME: WRENCH - MISC. EQUIPMENT - CONDUIT COUPLINGS 15/16 - 1 1/8

OPP. HAND
DWG. SIZE B 22U1033

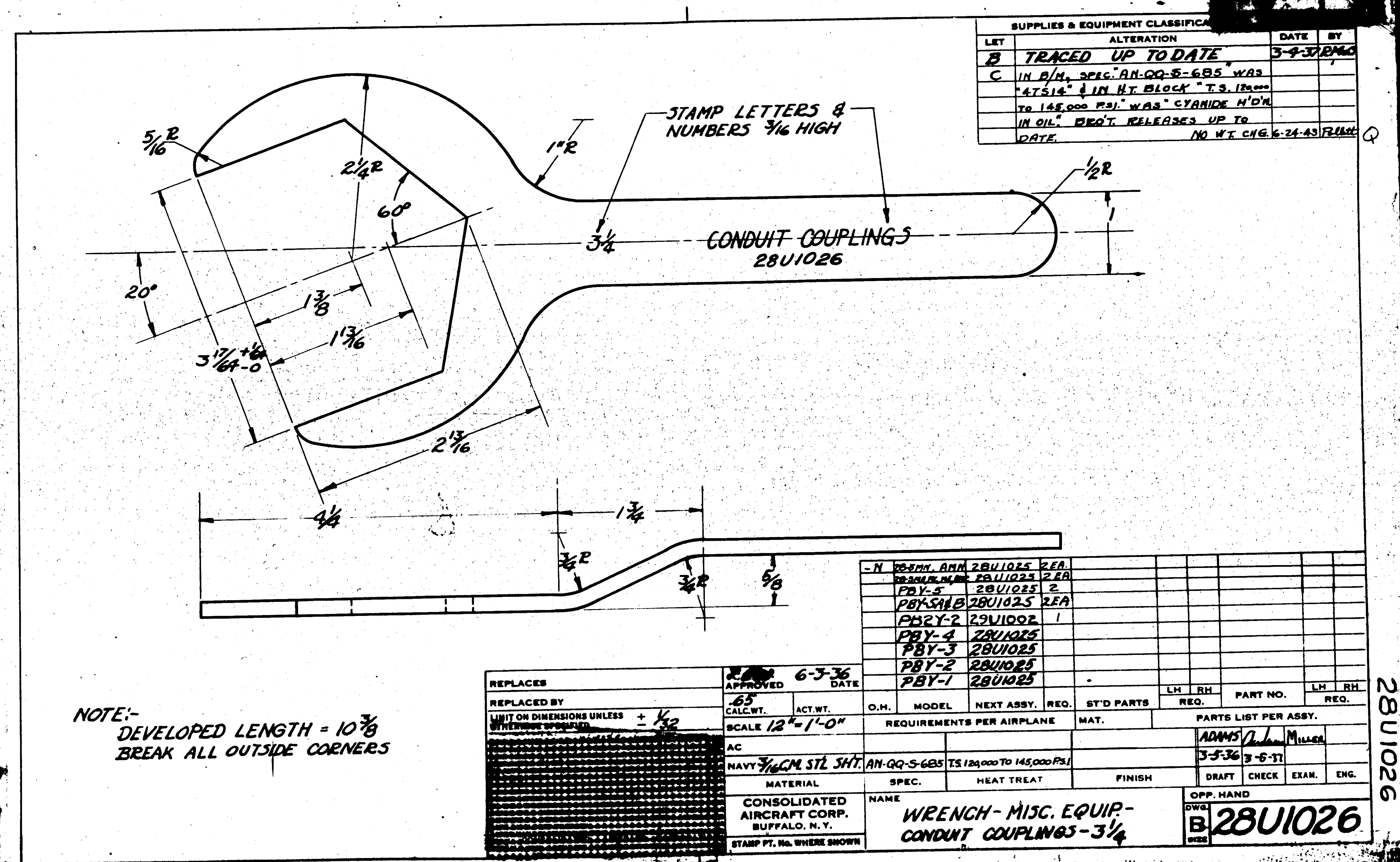
SULLIVAN-McKEEGAN CO., INC. BUFFALO
IMPERIAL TRACING CLOTH



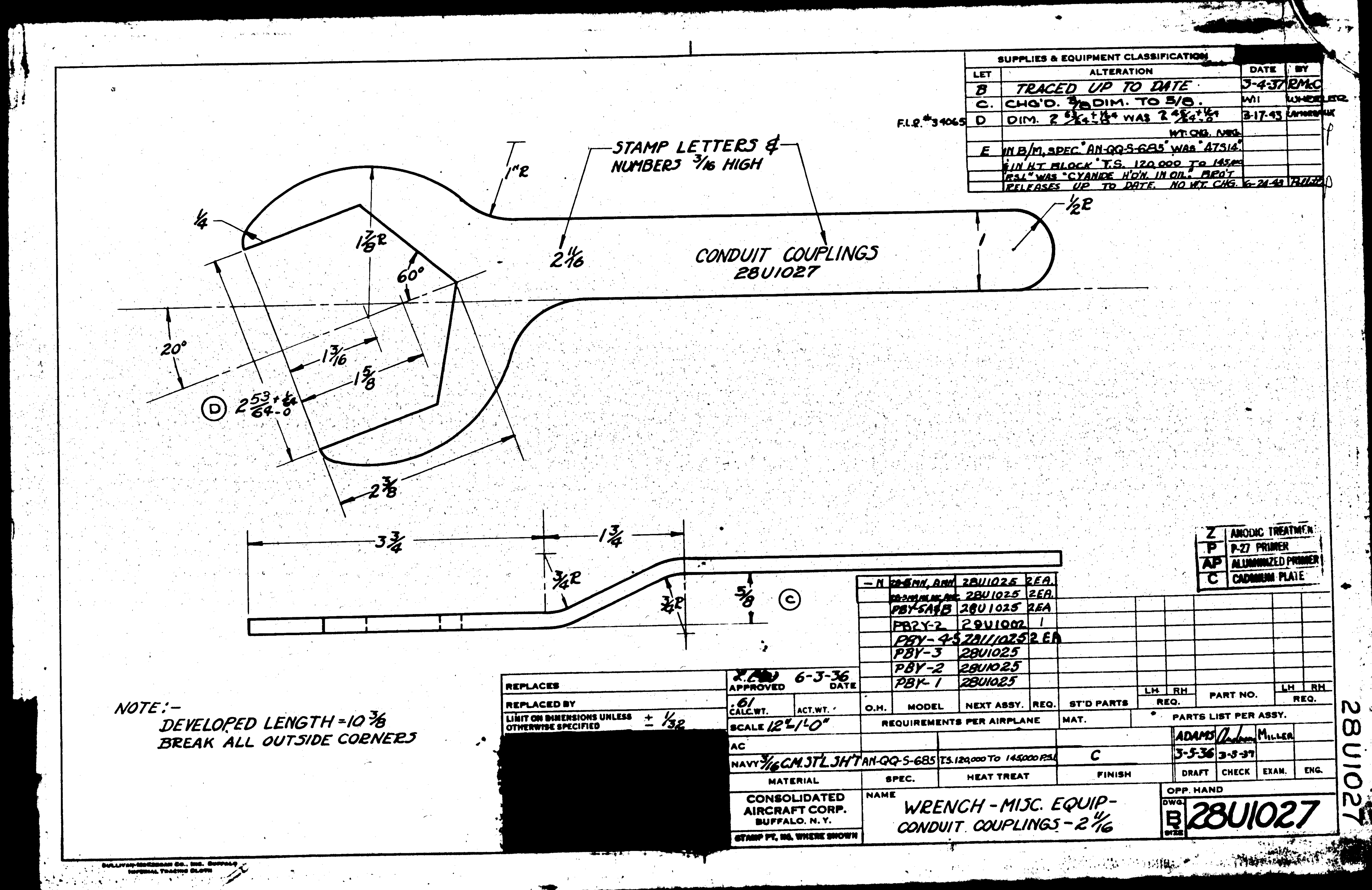
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C | TRACED & UP TO DATE | 3-5-37 | S.D.W.
D | WAS .098 (-2) | 6-4-40
E | REQUIREMENTS FOR PB2Y-3 ADDED | 4-5-41
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
28U030-2-FLOAT MECH.
#10(.173) DRILL
WT. .10
-2 WRENCH
.078 C.M. SH. D
SPEC. 47S14a
28U030-3-FLOAT MECH.
#10(.193) DRILL
WT. .06
-3 WRENCH
.098 C.M. SH.
SPEC. 47S14a
28U030-4-FLOAT MECH.
-4 WRENCH
WT. .040
.063 C.M. SH.
SPEC. 47S14a
1. BREAK EDGES ON HANDLES - ALL WRENCHES.
2. STAMP NOS & NAME ON HANDLE AS SHOWN - 1/8 LETTERS.
-3 PB2Y-3 29U3014 1
-3 PB2Y-2 1
-4-3-2 PBY-4 28U1025
-4-3-2 PBY-3 28U1025 1EA
-4-3-2 PBY-2 28U1025 1EA
-4-3-2 PBY-1 28U1025 1EA
-4 XPBY-1
-3-2 XP3Y-1
-4 1
-3 1
-2 1
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
APPROVED 6-7-36 DATE
NOTED CALC.WT. ACT.WT.
MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
SCALE FULL SIZE REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
AC
NAVY NOTED NOTED 125,000#/□" C
MATERIAL SPEC. HEAT TREAT FINISH
R.C.S. 12-27-36 3-5-37
DRAFT CHECK EXAM. ENG.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME WRENCHES - SPEC. FLOAT RETRACT. GEAR
DWG. B 28U030

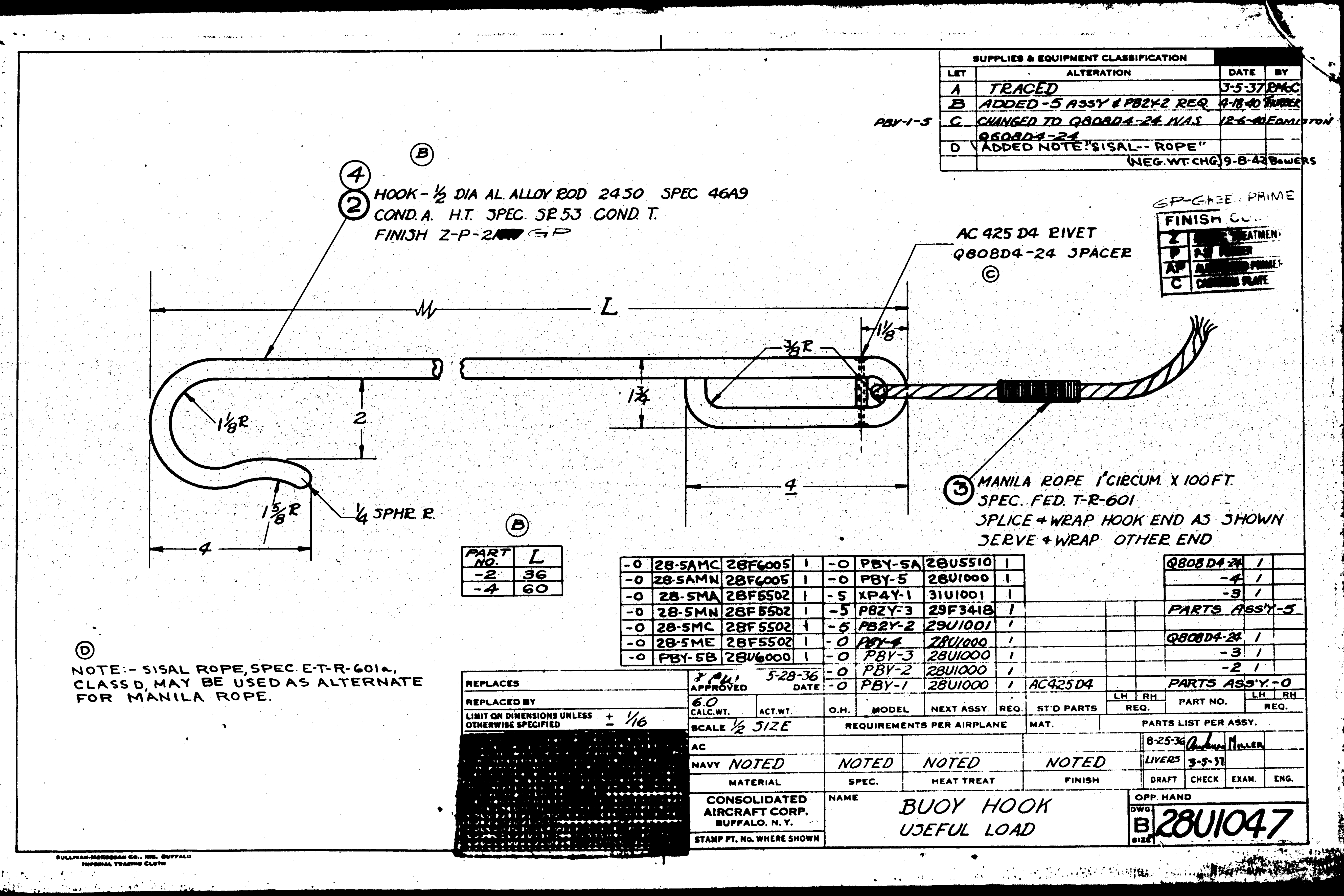


SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
C
TRACED UP TO DATE
3-4-37
RMcC
D
ADDED NOTE: "ALTERNATE--
-- COND. N." WT. CHG. NEG.
10-8-42
MORENO
FINISH CODE
Z
P
P-27 PRIMER
AP
C
CADMIUM PLATE
16"
2
1 7/16
7/8
60°
60°
1 1/8 DIA. X .065
3/4
1 1/32
DRILL 15/32 THRU
3 HOLES
STAMP-"FUEL SIGHT GAUGES"
STAMP-PART NUMBER UNDER
LETTERING "FUEL SIGHT GAUGES"
Ⓓ * NOTE
ALTERNATE MATERIALS
"CHROME-MOLY WELDED TUBING,
AN-T-3, TYPE I, COND. N" &
"CHROME-MOLY SEAMLESS
TUBING, AN-WW-T-859 COND. N."
PBY-5B
28U1025
1
28-5MN AMN
28U1025
1 EA.
28-5ME AMC
28U1025
1 EA.
28-5MA AMC
28U1025
1 EA.
PBY-5&5A
28U1025
1 EA.
PBY-4
28U1025
PBY-3
28U1025
PBY-2
28U1025
PBY-1
28U1025
XP3Y-1
28U1025
O.H.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
ST'D PARTS
LH
RH
REQ.
PART NO.
LH
RH
REQ.
MAT.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
6-3-36
APPROVED
DATE
.98
CALC. WT.
ACT. WT.
SCALE 12" = 1'-0"
AC
NAVY 1 1/8 X .065 C.M. STL. TUBE
44T18
NAF 5H27b-1
C
MATERIAL
SPEC.
HEAT TREAT
FINISH
2-20-35
3-4-37
DRAFT
CHECK
EXAM.
ENG.
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N. Y.
STAMP PT. No. WHERE SHOWN
NAME
WRENCH-SOCKET
FUEL - SIGHT GAUGES
OPP. HAND
DWG. SIZE
B
28U032

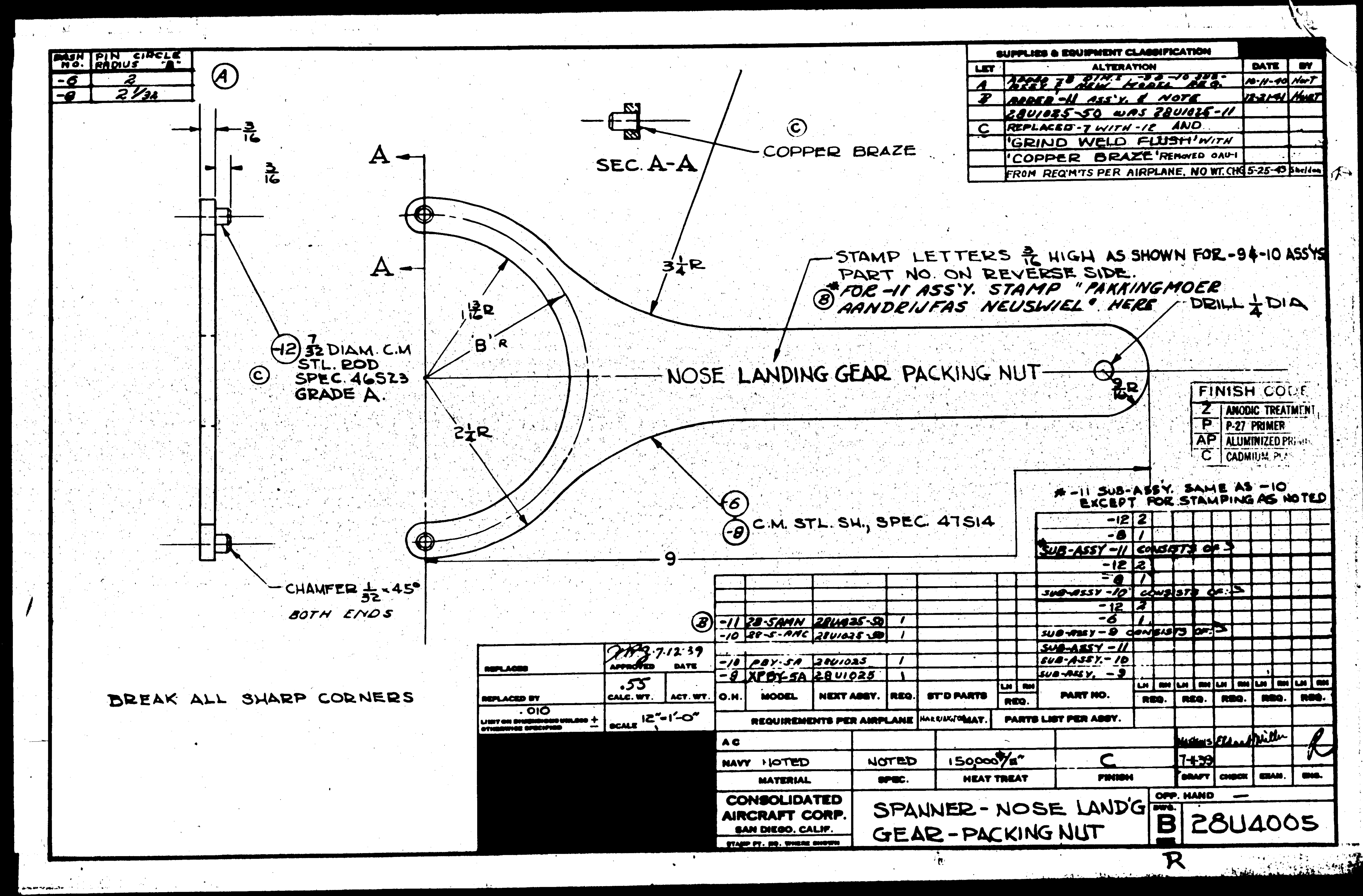


SUPPLIES & EQUIPMENT CLASSIFICA
LET
ALTERATION
DATE
BY
B
TRACED UP TO DATE
3-4-37
C
IN B/M, SPEC. "AN-QQ-S-685" WAS "47S14" & IN H.T. BLOCK "T.S. 120,000 TO 145,000 P.S.I." WAS "CYANIDE H'D'N IN OIL". BRO'T. RELEASES UP TO DATE.
NO WT. CHG.
6-24-43
Q
STAMP LETTERS & NUMBERS 3/16 HIGH
5/16 R
1"R
1/2 R
2 1/4 R
60°
3 1/4
CONDUIT COUPLINGS
28U1026
1
20°
1 3/8
1 13/16
3 17/64 +1/64 -0
2 13/16
4 1/4
1 3/4
3/4 R
3/4 R
5/8
NOTE:-
DEVELOPED LENGTH = 10 3/8
BREAK ALL OUTSIDE CORNERS
-N
28U1025
2EA
28U1025
2EA
PBY-5
28U1025
2
PBY-5A & B
28U1025
2EA
PB2Y-2
29U1002
1
PBY-4
28U1025
PBY-3
28U1025
PBY-2
28U1025
PBY-1
28U1025
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/32
6-3-36
APPROVED
DATE
.65
CALC. WT.
ACT. WT.
O.H.
MODEL
NEXT ASSY.
REQ.
ST'D PARTS
LH
RH
REQ.
PART NO.
LH
RH
REQ.
SCALE 12" = 1'-0"
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
AC
ADAMS
MILLER
NAVY 3/16 C.M. STL SHT.
AN-QQ-S-685
T.S. 120,000 TO 145,000 P.S.I.
3-5-36
3-6-37
MATERIAL
SPEC.
HEAT TREAT
FINISH
DRAFT
CHECK
EXAM.
ENG.
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
NAME
WRENCH - MISC. EQUIP. - CONDUIT COUPLINGS - 3 1/4
OPP. HAND
DWG. B SIZE
28U1026
STAMP PT. No. WHERE SHOWN
28U1026

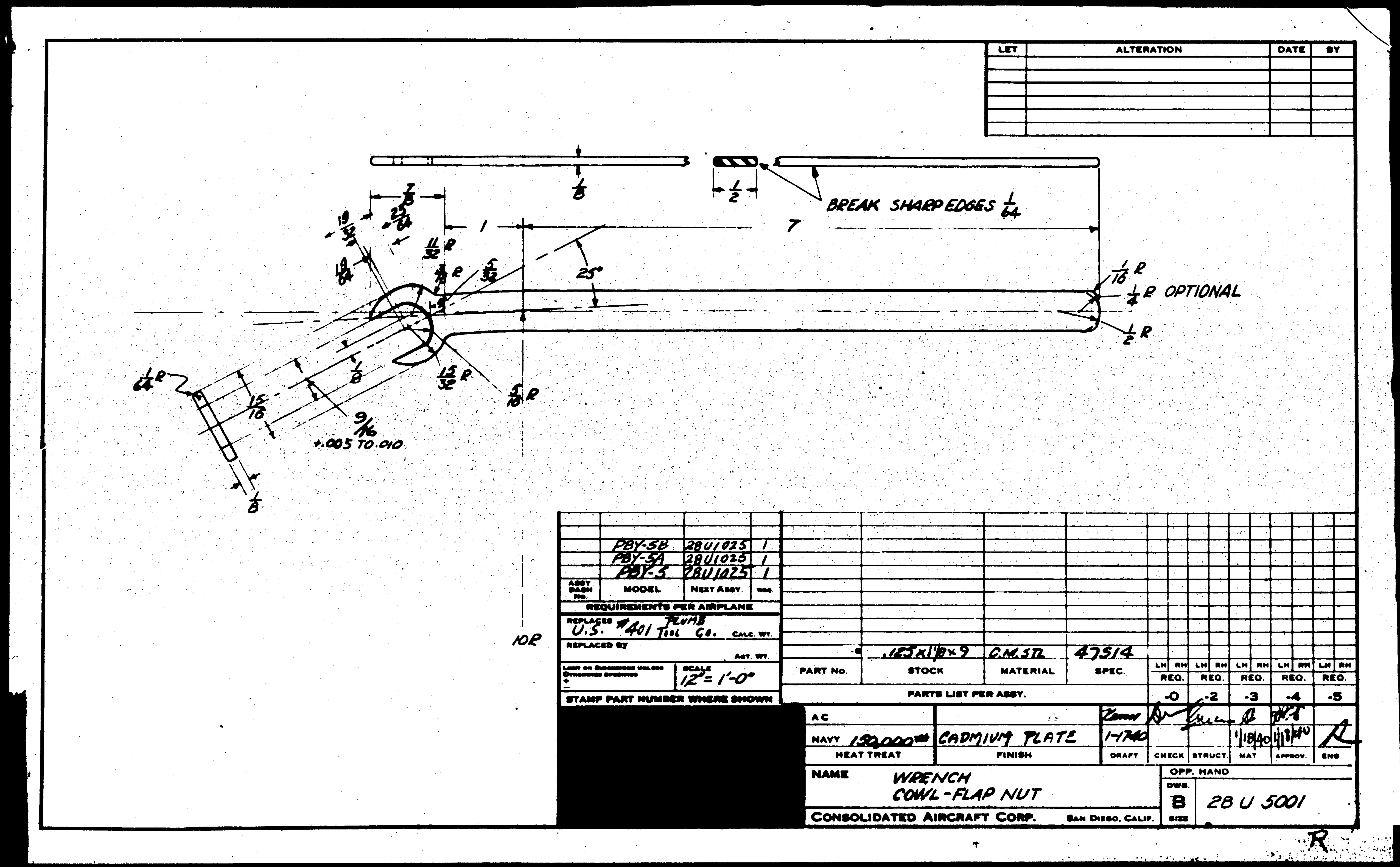

SUPPLIES & EQUIPMENT CLASSIFICATION [redacted]
LET | ALTERATION | DATE | BY
B | TRACED UP TO DATE | 3-4-37 | RMcC
C. | CHG'D. 3/8 DIM. TO 5/8.
F.L.R. #34065 D | DIM. 2 53/64 +1/64 -0 WAS 2 45/64 +1/64 -0 | 3-17-43
WT. CHG. NEG.
E | IN B/M, SPEC. "AN-QQ-S-685" WAS "47S14" & IN H.T. BLOCK "T.S. 120,000 TO 145,000 PSI" WAS "CYANIDE H'D'N. IN OIL." BRO'T RELEASES UP TO DATE. NO WT. CHG. | 6-24-43
STAMP LETTERS & NUMBERS 3/16 HIGH
1"R
1/4
1 7/8 R
60°
2 11/16
CONDUIT COUPLINGS 28U1027
1/2R
1
20°
1 3/16
1 5/8
(D) 2 53/64 +1/64 -0
2 3/8
3 3/4
1 3/4
3/4R
3/4R
5/8
(C)
Z | ANODIC TREATMENT
P | P-27 PRIMER
AP | ALUMINIZED PRIMER
C | CADMIUM PLATE
— N | 28-5MN, AMM | 28U1025 | 2EA.
28U1025 | 2EA.
PBY-5A&B | 28U1025 | 2EA
PB2Y-2 | 29U1002 | 1
PBY-4 | 28U1025 | 2 EA
PBY-3 | 28U1025
PBY-2 | 28U1025
PBY-1 | 28U1025
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
6-3-36 APPROVED DATE
.61 CALC.WT. | ACT.WT.
SCALE 12"=1'-0"
AC
NAVY 3/16 C.M. STL. SH'T | AN-QQ-S-685 | T.S. 120,000 TO 145,000 P.S.I. | C
MATERIAL | SPEC. | HEAT TREAT | FINISH
ADAMS | MILLER
3-5-36 | 3-3-37
DRAFT | CHECK | EXAM. | ENG.
[redacted]
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N. Y.
STAMP PT. NO. WHERE SHOWN
NAME WRENCH - MISC. EQUIP- CONDUIT COUPLINGS - 2 11/16
OPP. HAND
DWG. B SIZE 28U1027
28U1027
NOTE:-
DEVELOPED LENGTH = 10 3/8
BREAK ALL OUTSIDE CORNERS
SULLIVAN-MCKEEGAN CO., INC. BUFFALO
IMPERIAL TRACING CLOTH



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A TRACED 3-5-37 RMcC
B ADDED -5 ASSY & PB2Y-2 REQ. 4-18-40
PBY-1-5 C CHANGED TO Q808D4-24 WAS Q608D4-24 12-6-40 EDMISTON
D ADDED NOTE: "SISAL-- ROPE" (NEG. WT. CHG.) 9-8-42 BOWERS
GP-GREE. PRIME
FINISH CO
Z
P
AP
C
④ ② HOOK - 1/2 DIA AL. ALLOY ROD 24S0 SPEC 46A9
COND. A. H.T. SPEC. SR 53 COND. T.
FINISH Z-P-2 GP
Ⓑ
AC 425 D4 RIVET
Q808D4-24 SPACER
Ⓒ
L
1 1/8
3/8 R
1 3/4
1 1/8 R
2
1 5/8 R
1/4 SPHR. R.
4
4
③ MANILA ROPE 1" CIRCUM. X 100 FT.
SPEC. FED. T-R-601
SPLICE & WRAP HOOK END AS SHOWN
SERVE & WRAP OTHER END
Ⓑ
PART NO. | L
-2 | 36
-4 | 60
Ⓓ NOTE:- SISAL ROPE, SPEC. E-T-R-601a, CLASS D, MAY BE USED AS ALTERNATE FOR MANILA ROPE.
-0 28-5AMC 28F6005 1 -0 PBY-5A 28U5510 1
-0 28-5AMN 28F6005 1 -0 PBY-5 28U1000 1
-0 28-5MA 28F6502 1 -5 XP4Y-1 31U1001 1
-0 28-5MN 28F5502 1 -5 PB2Y-3 29F3418 1
-0 28-5MC 28F5502 1 -5 PB2Y-2 29U1001 1
-0 28-5ME 28F5502 1 -0 PBY-4 28U1000 1
-0 PBY-5B 28U6000 1 -0 PBY-3 28U1000 1
-0 PBY-2 28U1000 1
-0 PBY-1 28U1000 1
O.H. MODEL NEXT ASSY. REQ.
REQUIREMENTS PER AIRPLANE
Q808D4-24 1
-4 1
-3 1
PARTS ASS'Y -5
Q808D4-24 1
-3 1
-2 1
PARTS ASS'Y. -0
AC425D4
ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
MAT. PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/16
APPROVED 5-28-36 DATE
6.0 CALC. WT. ACT. WT.
SCALE 1/2 SIZE
AC
NAVY NOTED NOTED NOTED NOTED
MATERIAL SPEC. HEAT TREAT FINISH
8-25-36 Miller
LIVERS 3-5-37
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME BUOY HOOK USEFUL LOAD
OPP. HAND
DWG. B SIZE 28U1047
SULLIVAN-McKEEGAN CO., INC. BUFFALO IMPERIAL TRACING CLOTH

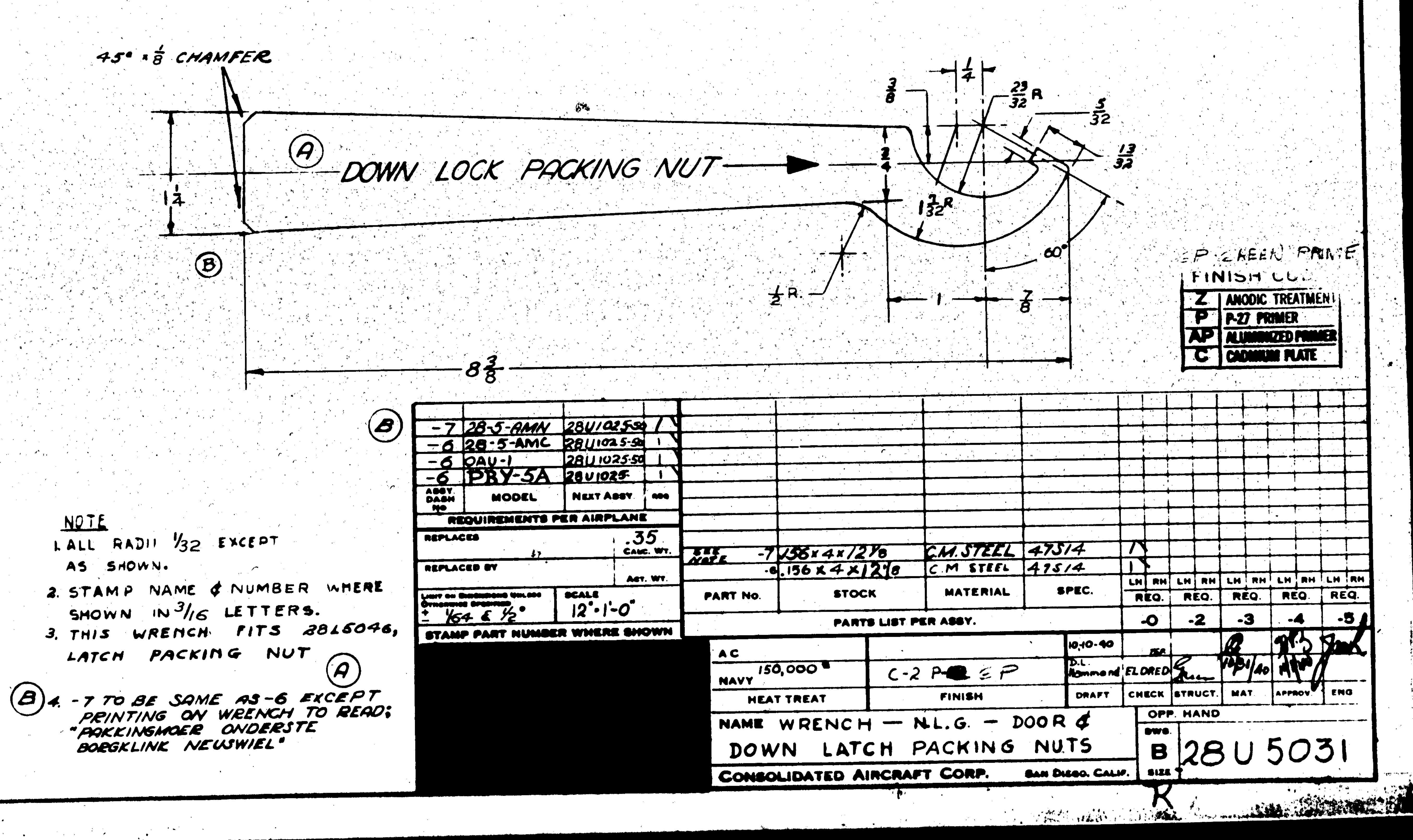


DASH NO. | PIN CIRCLE RADIUS "B"
-6 | 2
-8 | 2 1/32
(A)
3/16
3/16
A
A
SEC. A-A
COPPER BRAZE
(C)
3 1/4 R
1 13/16 R
'B' R
2 1/4 R
(-12) 7/32 DIAM. C.M. STL. ROD SPEC. 46S23 GRADE A.
(C)
STAMP LETTERS 3/16 HIGH AS SHOWN FOR -9 & -10 ASSYS PART NO. ON REVERSE SIDE.
(B) *FOR -11 ASS'Y. STAMP "PAKKINGMOER AANDRIJFAS NEUSWIEL" HERE
DRILL 1/4 DIA
NOSE LANDING GEAR PACKING NUT
9/16 R
(-6) (-8) C.M. STL. SH., SPEC. 47S14
9
CHAMFER 1/32 x 45° BOTH ENDS
BREAK ALL SHARP CORNERS
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | ADDED 7/8 DIM'S -8 & -10 SUB-ASSY & NEW MODEL REQ. | 10-11-40 | Hart
B | ADDED -11 ASS'Y. & NOTE 28U1025-50 WAS 28U1025-11 | 12-2-41 | Hart
C | REPLACED -7 WITH -12 AND 'GRIND WELD FLUSH' WITH 'COPPER BRAZE' REMOVED OAU-1 FROM REQ'M'TS PER AIRPLANE. NO WT. CHG | 5-25-43 | Sheldon
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
*-11 SUB-ASS'Y. SAME AS -10 EXCEPT FOR STAMPING AS NOTED
-12 2
-8 1
SUB-ASSY -11 CONSISTS OF:
-12 2
-8 1
SUB-ASSY -10 CONSISTS OF:
-12 2
-6 1
SUB-ASSY -9 CONSISTS OF:
SUB-ASSY -11
SUB-ASSY -10
SUB-ASSY -9
(B) -11 28-5AMN 28U1025-50 1
-10 28-5-AMC 28U1025-50 1
-10 PBY-5A 28U1025 1
-9 XPBY-5A 28U1025 1
O.H. MODEL NEXT ASSY. REQ. STD PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT. PARTS LIST PER ASSY.
REPLACES
APPROVED 7-12-39 DATE
.55 CALC. WT. ACT. WT.
REPLACED BY
.010 LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
SCALE 12"=1'-0"
AC
NAVY NOTED NOTED 150,000#/□" C
MATERIAL SPEC. HEAT TREAT FINISH
7-4-39 DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN
SPANNER - NOSE LAND'G GEAR - PACKING NUT
OPP. HAND —
DWG. B 28U4005
R



LET
ALTERATION
DATE
BY
1/8
1/2
BREAK SHARP EDGES 1/64
7/8
25/64
19/32
1
7
11/32 R
19/64
3/16 R
5/32
25°
1/16 R
1/4 R OPTIONAL
1/2 R
1/64 R
1/8
15/32 R
5/16 R
15/16
9/16
+.005 TO .010
1/8
10R
PBY-5B 28U1025 1
PBY-5A 28U1025 1
PBY-5 28U1025 1
ASSY DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES U.S. #401 PLUMB TOOL CO.
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.125 x 1 1/8 x 9
C.M. STL.
47514
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ.
PARTS LIST PER ASSY.
-0
-2
-3
-4
-5
AC
NAVY 150,000#
HEAT TREAT
CADMIUM PLATE
FINISH
1-17-40
1/18/40
1/18/40
DRAFT
CHECK
STRUCT.
MAT
APPROV.
ENG
NAME
WRENCH
COWL-FLAP NUT
OPP. HAND
DWG.
B
SIZE
28 U 5001
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
R

LET	ALTERATION	DATE	BY
A	REMOVED NOTE: N.L.G. DOOR TUBE PACKING NUT	12-18-41	[illegible]
B	ADDED -7 & REQUIREMENT	12-18-41	[illegible]
	28U1025-50 WAS 28U1025-11 &		
	REMOVED HEX END OF WRENCH		



ASSY. DASH NO	MODEL	NEXT ASSY.	REQ
-7	28-5-AMN	28U1025-50	1
-6	28-5-AMC	28U1025-50	1
-6	OAU-1	28U1025-50	1
-6	PBY-5A	28U1025	1

REQUIREMENTS PER AIRPLANE

REPLACES — .35 CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64 & 1/2° — SCALE 12"=1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
SEE NOTE -7	.156 x 4 x 12 1/8	C.M. STEEL	47514	1				
-6	.156 x 4 x 12 1/8	C.M. STEEL	47514	1				

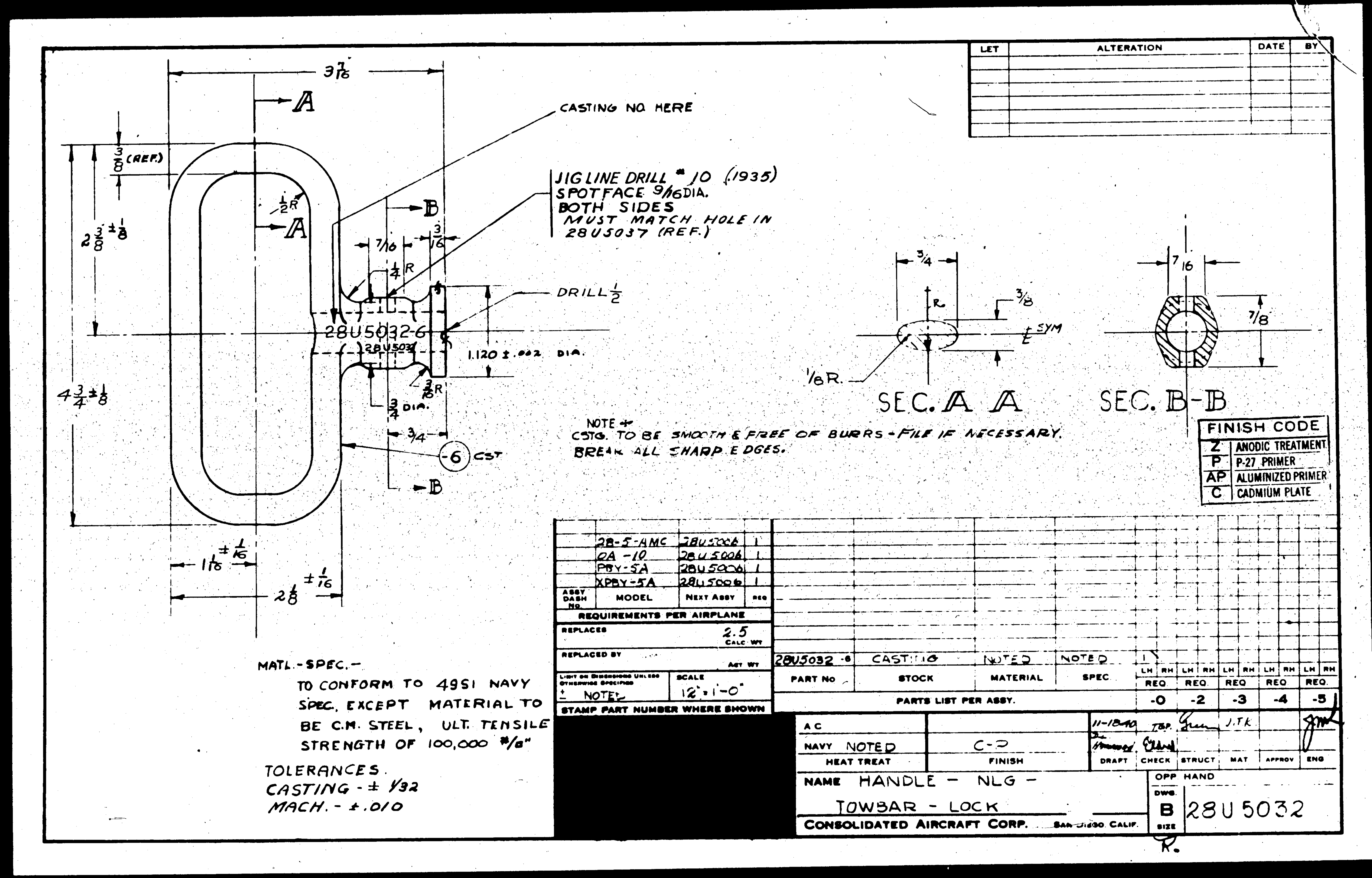
PARTS LIST PER ASSY.

AC / NAVY 150,000 — HEAT TREAT
C-2 P[illegible] EP — FINISH
10-10-40 D.L. Hammond — DRAFT; ELDRED — CHECK; STRUCT.; 10/21/40 — MAT; APPROV.; ENG

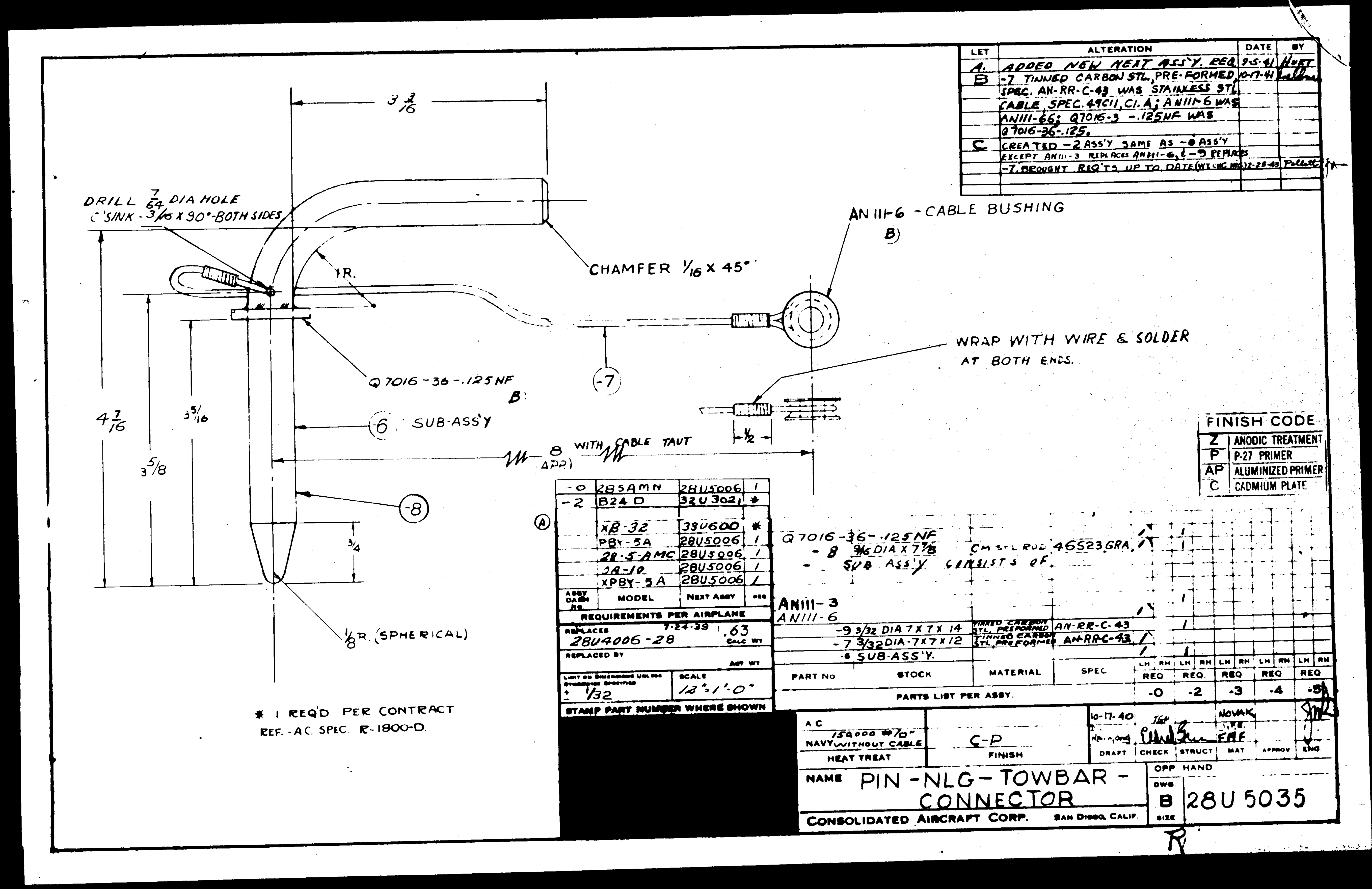
NAME WRENCH — N.L.G. — DOOR & DOWN LATCH PACKING NUTS

OPP. HAND
DWG. SIZE B 28U5031

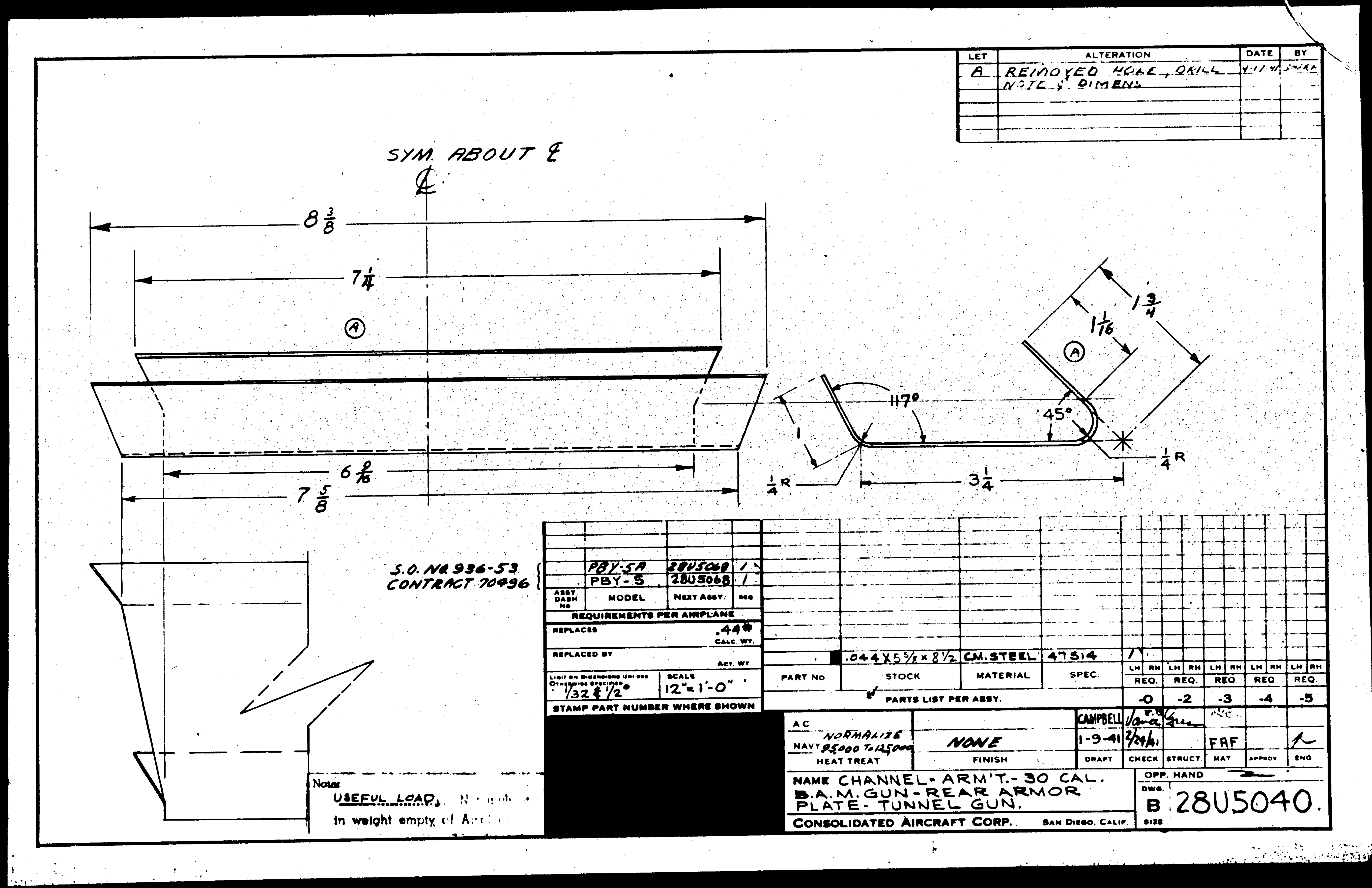
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



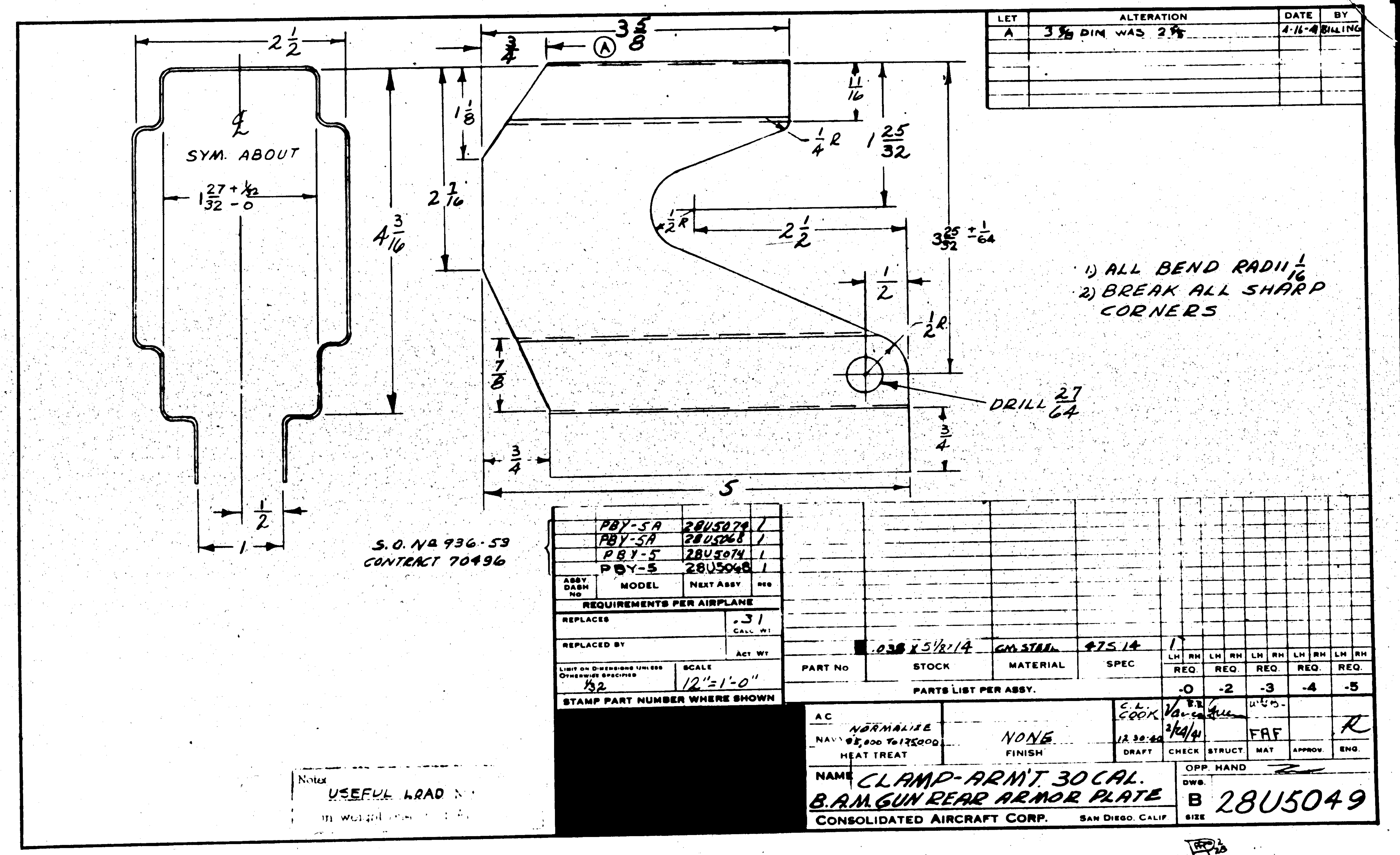
LET
ALTERATION
DATE
BY
CASTING NO. HERE
JIG LINE DRILL # 10 (.1935)
SPOTFACE 9/16 DIA.
BOTH SIDES
MUST MATCH HOLE IN
28U5037 (REF.)
DRILL 1/2
28U5032-6
(28U5037)
1.120 ±.002 DIA.
3/4 DIA.
-6 CST
SEC. A A
SEC. B-B
1/8 R.
SYM
NOTE
CSTG. TO BE SMOOTH & FREE OF BURRS - FILE IF NECESSARY.
BREAK ALL SHARP EDGES.
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
28-5-AMC 28U5006 1
OA-10 28U5006 1
PBY-5A 28U5006 1
XPBY-5A 28U5006 1
ASSY DASH NO.
MODEL
NEXT ASSY
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
2.5 CALC. WT
REPLACED BY
ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± NOTED
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
28U5032-6 CASTING NOTED NOTED 1
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
MATL.-SPEC.-
TO CONFORM TO 49S1 NAVY
SPEC. EXCEPT MATERIAL TO
BE C.M. STEEL, ULT. TENSILE
STRENGTH OF 100,000 #/□"
TOLERANCES.
CASTING - ± 1/32
MACH. - ±.010
A C
NAVY NOTED
HEAT TREAT
C-P
FINISH
11-18-40
DRAFT
CHECK
STRUCT
MAT
APPROV
ENG
OPP HAND
NAME HANDLE - NLG -
TOWBAR - LOCK
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
DWG.
B
SIZE
28U5032



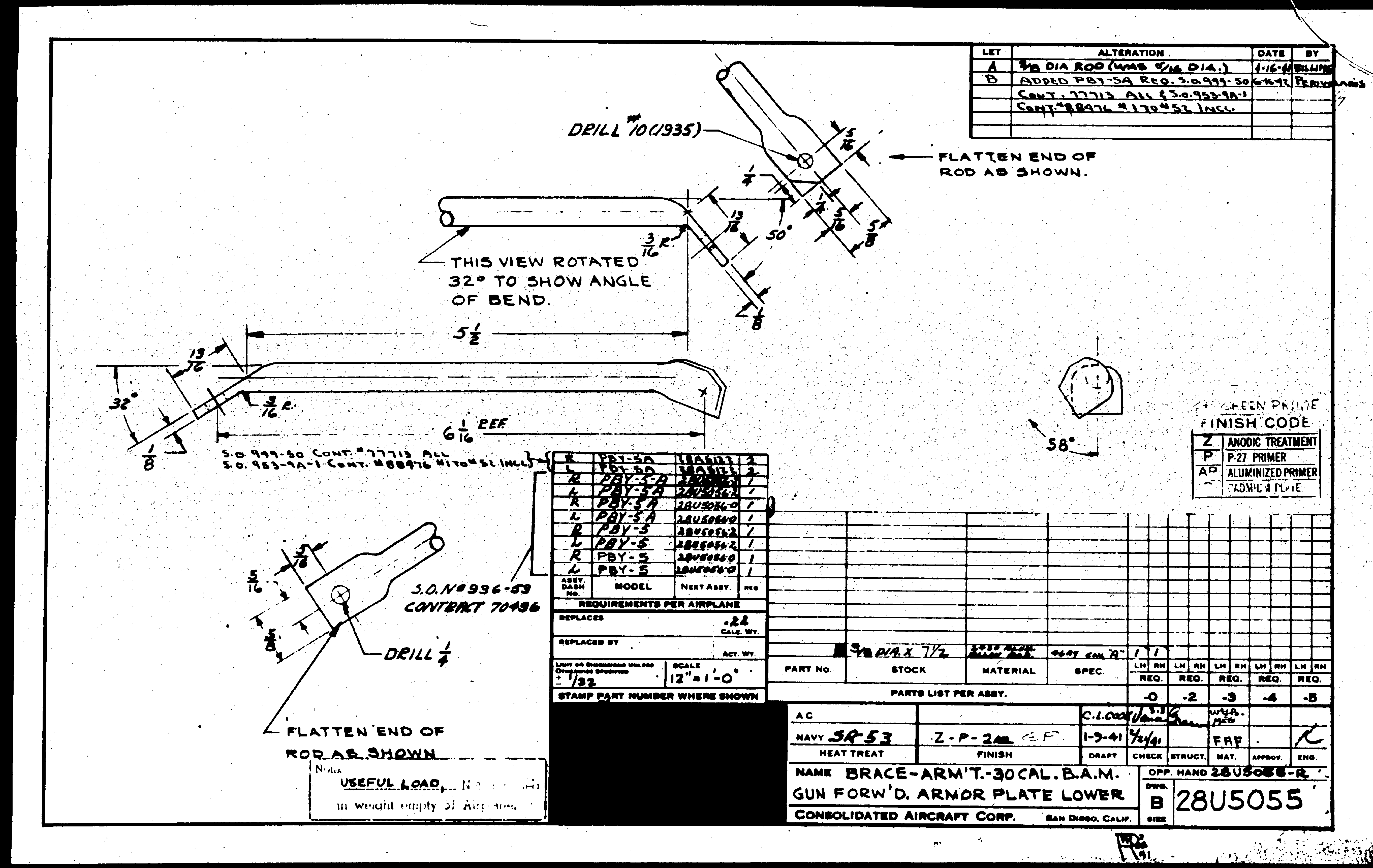
LET | ALTERATION | DATE | BY
A. ADDED NEW NEXT ASS'Y. REQ 9-5-41 HURT
B -7 TINNED CARBON STL., PRE-FORMED, SPEC. AN-RR-C-43 WAS STAINLESS STL. CABLE SPEC. 49C11, Cl. A; AN111-6 WAS AN111-66; Q7016-3 -.125NF WAS Q7016-36-.125. 10-17-41
C CREATED -2 ASS'Y SAME AS -0 ASS'Y EXCEPT AN111-3 REPLACES AN111-6, & -9 REPLACES -7. BROUGHT REQ'TS UP TO DATE (WT CHG. NEG) 2-28-43 Pollett
3 3/16
DRILL 7/64 DIA HOLE
C'SINK - 3/16 X 90° - BOTH SIDES
CHAMFER 1/16 X 45°
1R.
AN 111-6 - CABLE BUSHING
B)
Q7016-36-.125NF
B
(-7)
WRAP WITH WIRE & SOLDER
AT BOTH ENDS.
4 7/16
3 5/16
3 5/8
(-6) SUB-ASS'Y
8 WITH CABLE TAUT
APP.
1/2
(-8)
3/4
1/8 R. (SPHERICAL)
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
-0 28SAMN 28U5006 1
-2 B24D 32U3021 *
(A)
XB-32 33U600 *
PBY-5A 28U5006 1
28-5-AMC 28U5006 1
2A-10 28U5006 1
XPBY-5A 28U5006 1
ASSY DASH No. | MODEL | NEXT ASSY | REQ
REQUIREMENTS PER AIRPLANE
Q7016-36-.125NF
-8 9/16 DIA X 7 7/8 CM STL ROD 46523 GRA.
- SUB ASS'Y CONSISTS OF
AN111-3
AN111-6
-9 3/32 DIA 7X7X14 TINNED CARBON STL. PREFORMED AN-RR-C-43
-7 3/32 DIA-7X7X12 TINNED CARBON STL. PREFORMED AN-RR-C-43
-6 SUB-ASS'Y.
PART No | STOCK | MATERIAL | SPEC | LH RH REQ -0 | LH RH REQ -2 | LH RH REQ -3 | LH RH REQ -4 | LH RH REQ -5
PARTS LIST PER ASSY.
REPLACES 7-24-39
28U4006-28
.63 CALC WT
REPLACED BY
ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
* 1 REQ'D PER CONTRACT
REF. - AC. SPEC. R-1800-D.
AC
150,000 #/□" NAVY WITHOUT CABLE
HEAT TREAT
C-P
FINISH
10-17-40
DRAFT | CHECK | STRUCT | MAT | APPROV | ENG.
NOVAK
OPP HAND
NAME PIN - NLG - TOWBAR - CONNECTOR
DWG. SIZE B 28U 5035
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R



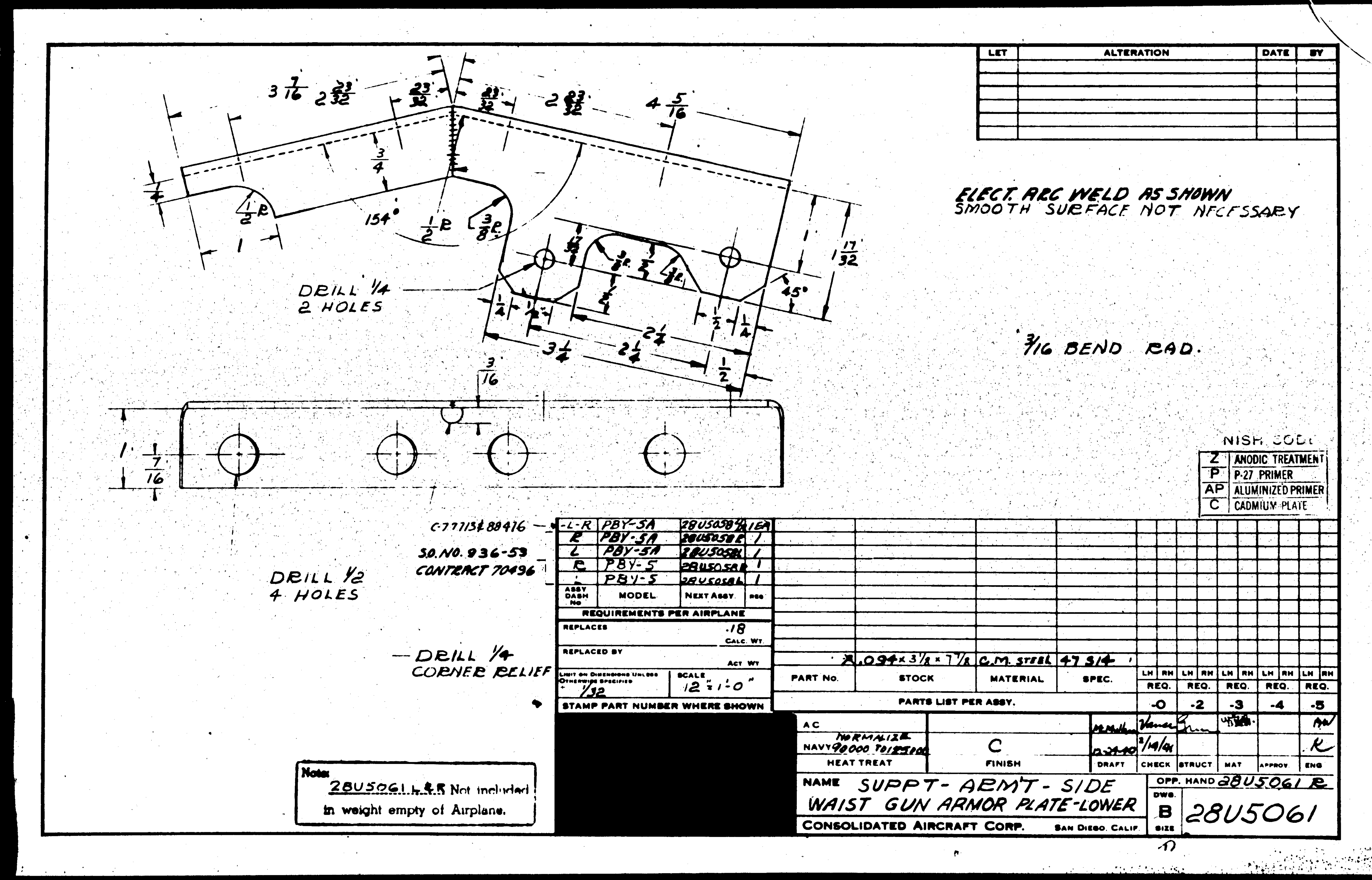
LET
ALTERATION
DATE
BY
A
REMOVED HOLE, DRILL NOTE & DIMENS.
SYM. ABOUT ℄
8 3/8
7 1/4
A
1 3/4
1 1/16
A
117°
45°
1
1/4 R
1/4 R
3 1/4
6 9/16
7 5/8
S.O. NO. 936-53
CONTRACT 70496
PBY-5A
28U5068
PBY-5
28U5068
ASSY. DASH NO
MODEL
NEXT ASSY.
REQUIREMENTS PER AIRPLANE
REPLACES
.44#
CALC. WT.
REPLACED BY
ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
1/32 & 1/2°
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.044 X 5 5/8 x 8 1/2
C.M. STEEL
47S14
PART No
STOCK
MATERIAL
SPEC.
LH
RH
REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
AC
NAVY
NORMALIZE 95,000 To 125,000
HEAT TREAT
NONE
FINISH
CAMPBELL
1-9-41
2/24/41
FAF
DRAFT
CHECK
STRUCT.
MAT
APPROV
ENG
OPP. HAND
NAME CHANNEL-ARM'T.-30 CAL. B.A.M. GUN-REAR ARMOR PLATE-TUNNEL GUN.
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
DWG.
B
SIZE
28U5040.
Notes
USEFUL LOAD.
in weight empty of Air

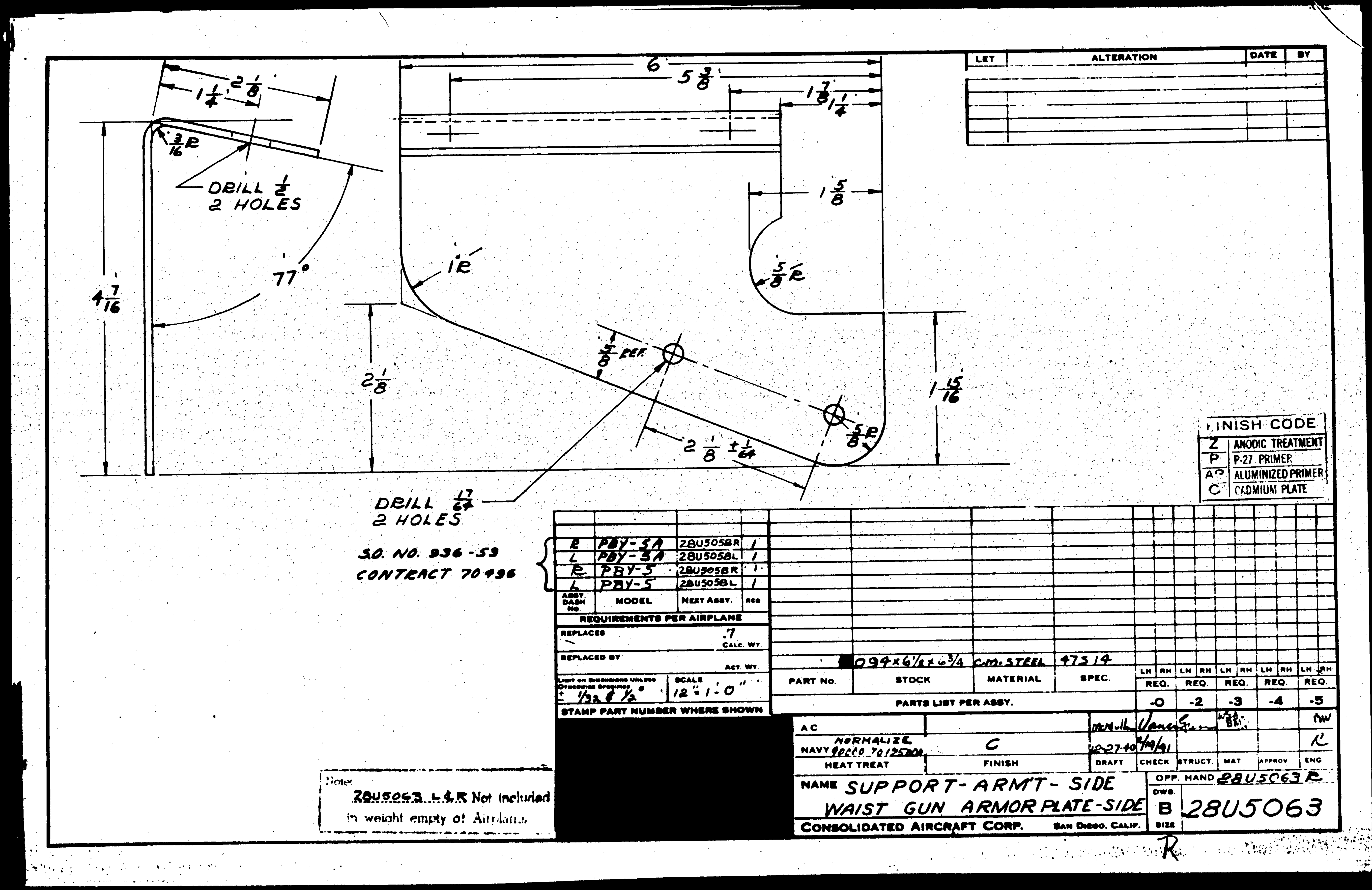


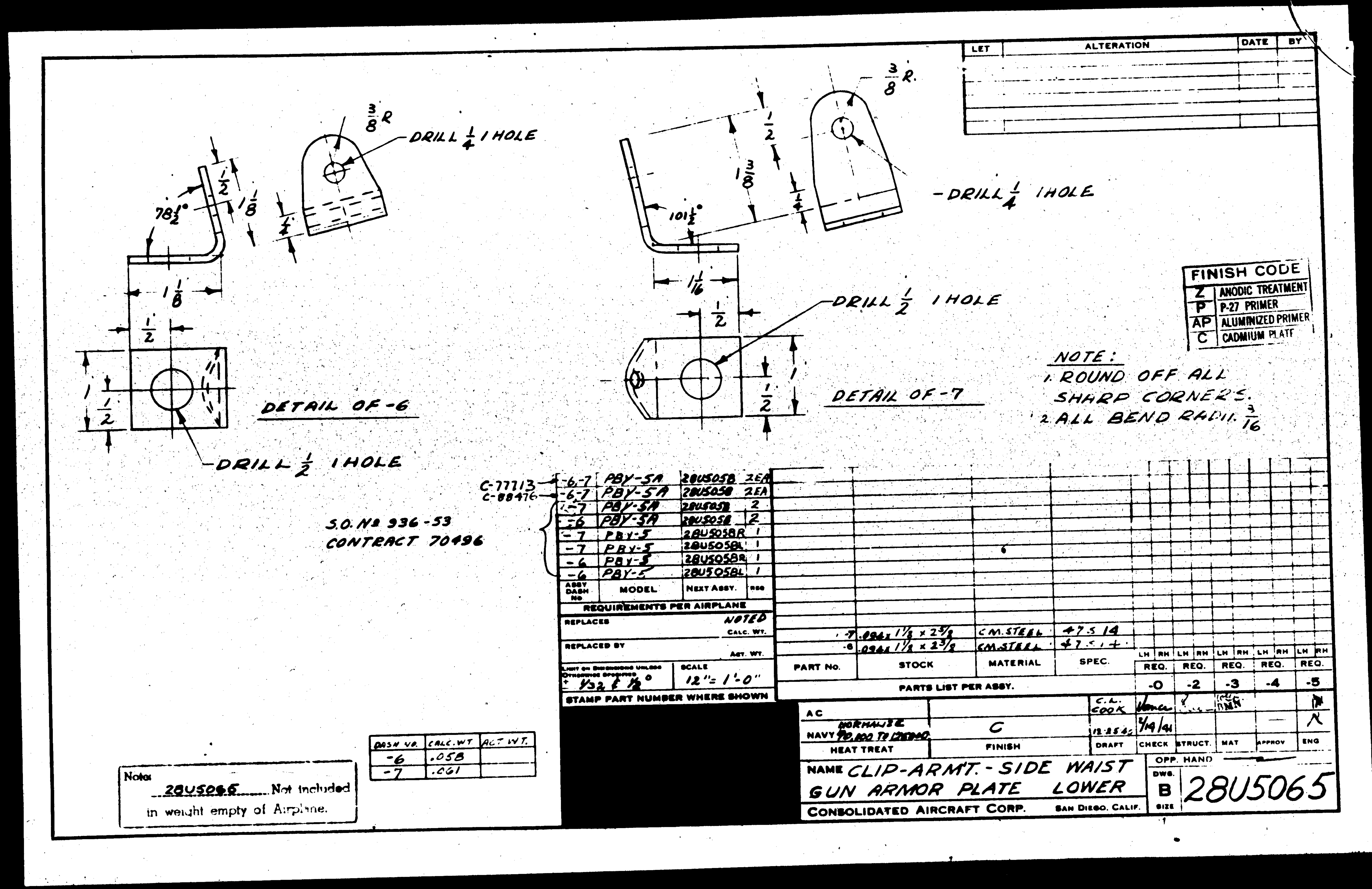
LET
ALTERATION
DATE
BY
A
3 5/8 DIM WAS 2 5/8
4-16-41
BILLING
SYM. ABOUT
1) ALL BEND RADII 1/16
2) BREAK ALL SHARP CORNERS
DRILL 27/64
S.O. No 936-59
CONTRACT 70496
PBY-5A 28U5074 1
PBY-5A 28U5068 1
PBY-5 28U5074 1
PBY-5 28U5068 1
ASSY DASH NO
MODEL
NEXT ASSY
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
.31
CALC WT
REPLACED BY
ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
1/32
SCALE
12"=1'-0"
STAMP PART NUMBER WHERE SHOWN
PART No
.038 X 5 1/8 X 14
STOCK
CM. STEEL
MATERIAL
4714
SPEC
PARTS LIST PER ASSY.
LH RH REQ. -0
LH RH REQ. -2
LH RH REQ. -3
LH RH REQ. -4
LH RH REQ. -5
AC
NAVY
NORMALIZE
95,000 TO 125,000
HEAT TREAT
NONE
FINISH
C.L. COOK
12-30-40
DRAFT
CHECK
STRUCT.
FAF
MAT
APPROV.
ENG.
OPP. HAND
NAME CLAMP-ARM'T. 30 CAL.
B.A.M. GUN REAR ARMOR PLATE
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF
DWG.
B
28U5049
SIZE
Notes
USEFUL LOAD

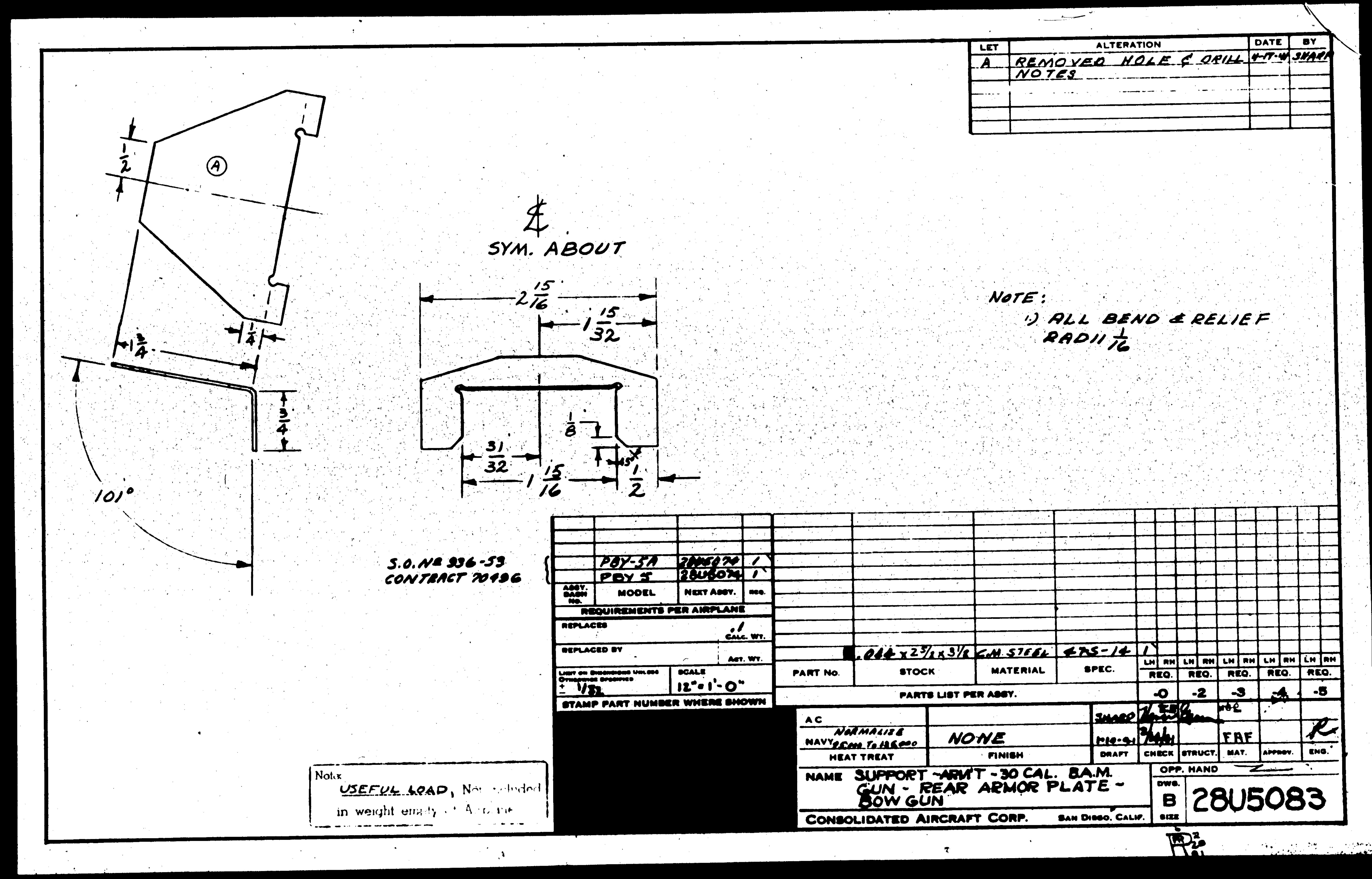


LET | ALTERATION | DATE | BY
A | 3/8 DIA ROD (WAS 5/16 DIA.) | 1-16-41
B | ADDED PBY-5A REQ. S.O.999-50 CONT. 77713 ALL & S.O.953-9A-1 CONT. #88976 #170 #52 INCL.
DRILL #10 (.1935)
FLATTEN END OF ROD AS SHOWN.
THIS VIEW ROTATED 32° TO SHOW ANGLE OF BEND.
50°
3/16 R.
5 1/2
6 1/16 REF
32°
58°
S.O. 999-50 CONT. #77713 ALL
S.O. 953-9A-1 CONT. #88976 #170 #52 INCL.
S.O. N° 936-53 CONTRACT 70496
DRILL 1/4
FLATTEN END OF ROD AS SHOWN
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
CADMIUM PLATE
R PBY-5A
L PBY-5A
R PBY-5A
L PBY-5A
R PBY-5A 28U5056-0
L PBY-5A 28U5056-0
R PBY-5 28U5056-2
L PBY-5 28U5056-2
R PBY-5 28U5056-0
L PBY-5 28U5056-0
ASSY. DASH No. | MODEL | NEXT ASSY. | REQ
REQUIREMENTS PER AIRPLANE
REPLACES .22 CALC. WT.
REPLACED BY ACT. WT.
± 1/32 SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
3/8 DIA. X 7 1/2
PART No. | STOCK | MATERIAL | SPEC. | LH RH REQ. -0 | -2 | -3 | -4 | -5
PARTS LIST PER ASSY.
AC
NAVY SR-53
Z-P-2
1-9-41
HEAT TREAT | FINISH | DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
NAME BRACE-ARM'T.-30 CAL. B.A.M. GUN FORW'D. ARMOR PLATE LOWER
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP. HAND 28U5055-R
DWG. SIZE B 28U5055
USEFUL LOAD
in weight empty of Airplanes

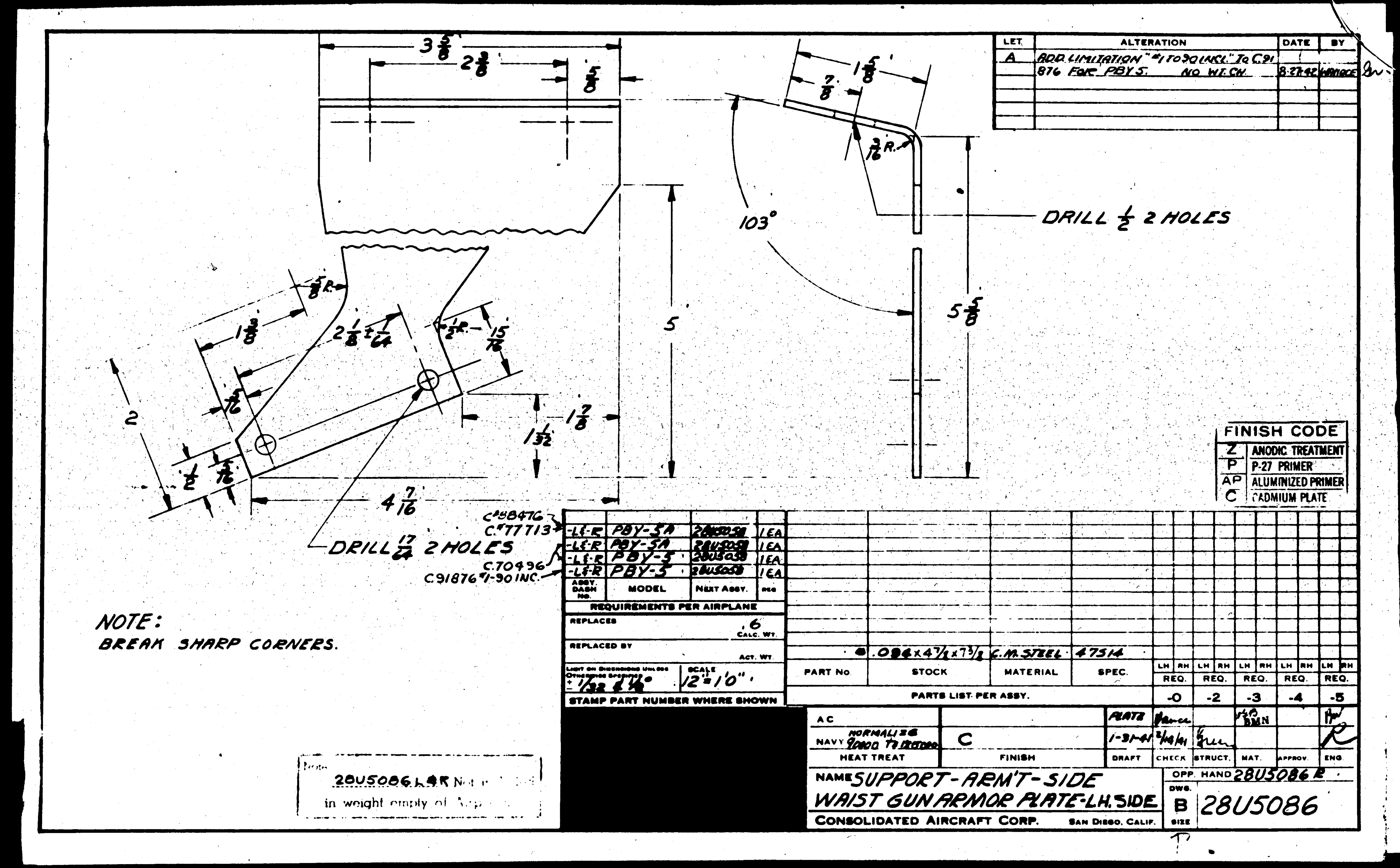

LET
ALTERATION
DATE
BY
ELECT. ARC WELD AS SHOWN
SMOOTH SURFACE NOT NECESSARY
3/16 BEND RAD.
DRILL 1/4
2 HOLES
DRILL 1/2
4 HOLES
DRILL 1/4
CORNER RELIEF
154°
45°
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
C-77713 & 88476
S.O. NO. 936-53
CONTRACT 70496
-L-R PBY-5A 28U5058 L&R 1EA
R PBY-5A 28U5058R 1
L PBY-5A 28U5058L 1
R PBY-5 28U5058R 1
L PBY-5 28U5058L 1
ASSY DASH No
MODEL
NEXT ASSY.
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
.18
CALC. WT.
REPLACED BY
ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/32
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.094 x 3 1/2 x 7 1/2 C.M. STEEL 47 S14
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ.
PARTS LIST PER ASSY.
-0
-2
-3
-4
-5
AC
NORMALIZE
NAVY 90000 TO 125000
HEAT TREAT
C
FINISH
DRAFT
CHECK
STRUCT
MAT
APPROV.
ENG
3/14/41
NAME SUPPT-ARM'T-SIDE
WAIST GUN ARMOR PLATE-LOWER
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
OPP. HAND 28U5061 R
DWG.
B
SIZE
28U5061
Note:
28U5061 L & R Not included in weight empty of Airplane.


LET
ALTERATION
DATE
BY
6
5 3/8
1 7/8
1 1/4
2 1/8
1 1/4
3/16 R
DRILL 1/2
2 HOLES
77°
4 7/16
1 5/8
1R
5/8 R
3/8 REF.
2 1/8
1 15/16
2 1/8 ± 1/64
5/8 R
DRILL 17/64
2 HOLES
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
S.O. NO. 936-53
CONTRACT 70436
R PBY-5A 28U5058R 1
L PBY-5A 28U5058L 1
R PBY-5 28U5058R 1
L PBY-5 28U5058L 1
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
.7
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 & 1/2°
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.094 x 6 1/2 x 6 3/4
C.M. STEEL
47314
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ.
-0 -2 -3 -4 -5
PARTS LIST PER ASSY.
AC
NORMALIZE
NAVY 90000 70125000
HEAT TREAT
C
FINISH
10-27-40
2/10/41
DRAFT
CHECK
STRUCT.
MAT
APPROV
ENG
OPP. HAND 28U5063R
NAME SUPPORT-ARM'T-SIDE
WAIST GUN ARMOR PLATE-SIDE
DWG.
B
SIZE
28U5063
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO. CALIF.
Note:
28U5063 L & R Not included in weight empty of Airplane
R

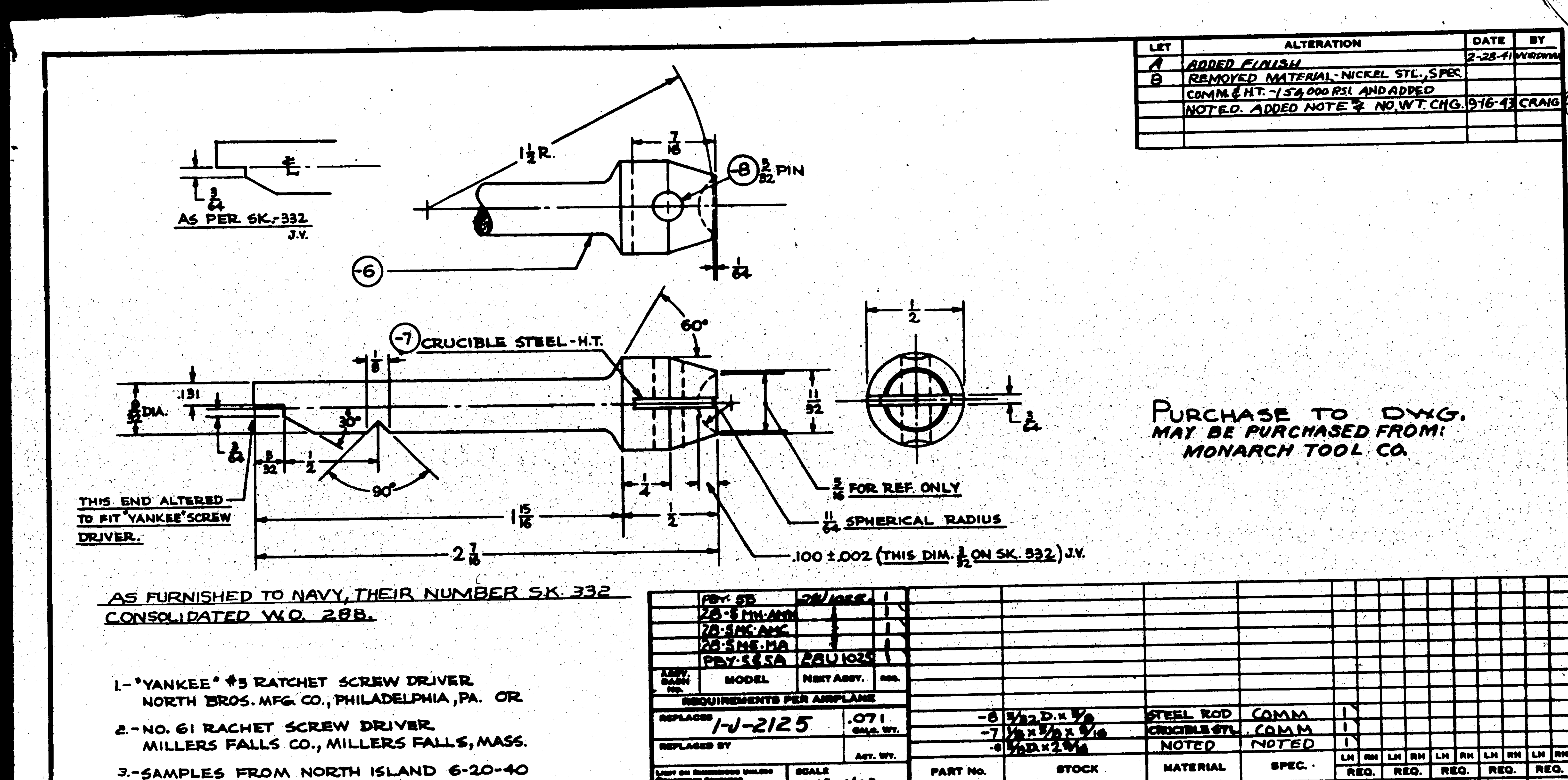

LET
ALTERATION
DATE
BY
3/8 R
DRILL 1/4 1 HOLE
78 1/2°
1/2
1 1/8
1/4
1 1/8
1/2
1
1/2
DETAIL OF -6
DRILL 1/2 1 HOLE
3/8 R.
1/2
1 3/8
1/4
101 1/2°
-DRILL 1/4 1 HOLE
1 1/16
1/2
DRILL 1/2 1 HOLE
1
1/2
DETAIL OF -7
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
NOTE:
1. ROUND OFF ALL SHARP CORNERS.
2. ALL BEND RADII. 3/16
C-77713
C-88476
S.O. No 936-53
CONTRACT 70496
-6-7 PBY-5A 28U5058 2EA
-6-7 PBY-5A 28U5058 2EA
-7 PBY-5A 28U5058 2
-6 PBY-5A 28U5058 2
-7 PBY-5 28U5058R 1
-7 PBY-5 28U5058L 1
-6 PBY-5 28U5058R 1
-6 PBY-5 28U5058L 1
ASSY DASH No
MODEL
NEXT ASSY.
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
NOTED
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
± 1/32 & 1/2°
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
-7 .094 x 1 1/8 x 2 5/8 CM. STEEL 47-S-14
-6 .094 x 1 1/8 x 2 3/8 CM. STEEL 47-S-14
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
-0 -2 -3 -4 -5
PARTS LIST PER ASSY.
AC
NAVY
NORMALIZE 90,000 TO 125,000
HEAT TREAT
C
FINISH
C.L. COOK
4/14/41
DRAFT
CHECK
STRUCT.
MAT
APPROV
ENG
OPP. HAND
NAME CLIP-ARM'T. - SIDE WAIST GUN ARMOR PLATE LOWER
DWG. B SIZE
28U5065
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
DASH NO.
CALC. WT
ACT. WT.
-6 .058
-7 .061
Note: 28U5065 Not included in weight empty of Airplane.



LET | ALTERATION | DATE | BY
A | REMOVED HOLE ¢ DRILL NOTES | 4-17-41 | SHARP
Ⓐ
℄ SYM. ABOUT
$2\frac{15}{16}$
$1\frac{15}{32}$
$\frac{1}{2}$
$\frac{1}{4}$
$1\frac{3}{4}$
$\frac{3}{4}$
$\frac{1}{8}$
$\frac{31}{32}$
$1\frac{15}{16}$
45°
101°
NOTE:
1) ALL BEND & RELIEF RADII $\frac{1}{16}$
S.O. № 936-53
CONTRACT 70496
PBY-5A | 28U5074 | 1
PBY 5 | 28U5074 | 1
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.1 CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.064 x 2 3/8 x 3 1/2 | C.M. STEEL | 475-14 | 1
PART No. | STOCK | MATERIAL | SPEC. | REQ. | REQ. | REQ. | REQ. | REQ.
LH RH LH RH LH RH LH RH LH RH
PARTS LIST PER ASSY. | -0 | -2 | -3 | -4 | -5
AC
NAVY NORMALIZE 95000 TO 125000
HEAT TREAT
NONE
FINISH
SHARP 1-10-41
DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
FRF
OPP. HAND
NAME SUPPORT - ARM'T - 30 CAL. B.A.M. GUN - REAR ARMOR PLATE - BOW GUN
DWG. SIZE B
28U5083
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
Note
USEFUL LOAD, Not included in weight empty of Airplane



LET. | ALTERATION | DATE | BY
A | ADD LIMITATION "#1 TO 90 INCL" TO C.91876 FOR PBY5. NO WT. CH | 8-27-42
DRILL 1/2 2 HOLES
103°
DRILL 17/64 2 HOLES
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
C#88476
C#77713
-L&R PBY-5A 1EA
-L&R PBY-5A 1EA
C.70496
-L&R PBY-5 1EA
C.91876 #1-90 INC.
-L&R PBY-5 1EA
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
.6 CALC. WT.
REPLACED BY
ACT. WT.
SCALE 12"=1'0"
STAMP PART NUMBER WHERE SHOWN
.094 x 4 7/8 x 7 3/8 C.M. STEEL 47514
PART No. STOCK MATERIAL SPEC.
LH RH REQ. -0 -2 -3 -4 -5
PARTS LIST PER ASSY.
NOTE:
BREAK SHARP CORNERS.
AC
NAVY NORMALIZE
HEAT TREAT
C
FINISH
DRAFT CHECK STRUCT. MAT. APPROV. ENG.
1-31-41
NAME SUPPORT - ARM'T - SIDE
WAIST GUN ARMOR PLATE - LH. SIDE
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP. HAND 28U5086 R
DWG. B SIZE
28U5086
28U5086 L&R
in weight empty of



LET	ALTERATION	DATE	BY
A	ADDED FINISH	2-28-41	W.O.D.W.M.
B	REMOVED MATERIAL - NICKEL STL., SPEC COMM. & H.T. - 150,000 P.S.I. AND ADDED NOTED. ADDED NOTE 4 NO. WT. CHG.	9-16-43	CRAIG

AS FURNISHED TO NAVY, THEIR NUMBER SK. 332
CONSOLIDATED W.O. 288.

1.- "YANKEE" #3 RATCHET SCREW DRIVER
NORTH BROS. MFG. CO., PHILADELPHIA, PA. OR

2.- NO. 61 RACHET SCREW DRIVER
MILLERS FALLS CO., MILLERS FALLS, MASS.

3.- SAMPLES FROM NORTH ISLAND 6-20-40

4.- MATERIAL FOR -6 MAY BE:-
(A) SAE. 2330 NICKEL STEEL, SPEC. AN-QQ-S-689, T.S. 150,000 P.S.I., OR
(B.) SAE. X4130 STEEL, SPEC-AN-QQ-S-684, T.S. 145,000 TO 170,000 P.S.I.

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
	PBY-5B	28U1025	1
	28-5MH-AMN	"	1
	28-5MC-AMC	"	1
	28-5ME-MA	"	1
	PBY-5 & 5A	28U1025	1

REQUIREMENTS PER AIRPLANE

REPLACES 1-J-2125 | .071 CALC. WT.
REPLACED BY | ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±1/64 & NOTED | SCALE 24" = 1'0"
STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
-8	3/32 D. x 5/8	STEEL ROD	COMM	1				
-7	1/2 x 5/8 x 9/16	CRUCIBLE STL.	COMM	1				
-6	1/2 D. x 2 7/16	NOTED	NOTED	1				

PARTS LIST PER ASSY.

AC		THORSEN					
NAVY AS NOTED	CAD. PLATE	1-13-42				31-42	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

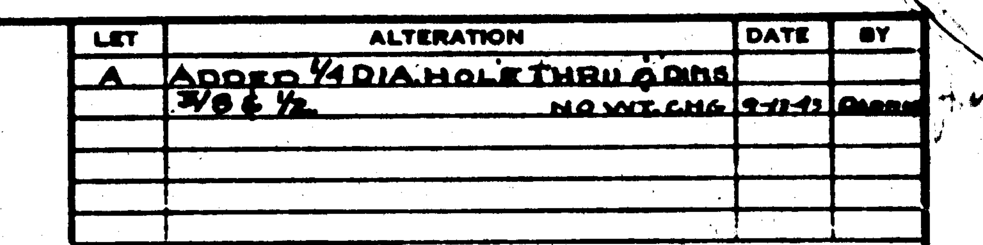
NAME SCREW DRIVER
BRAZIER HEAD SCREW

OPP. HAND
DWG. SIZE B 28U5096

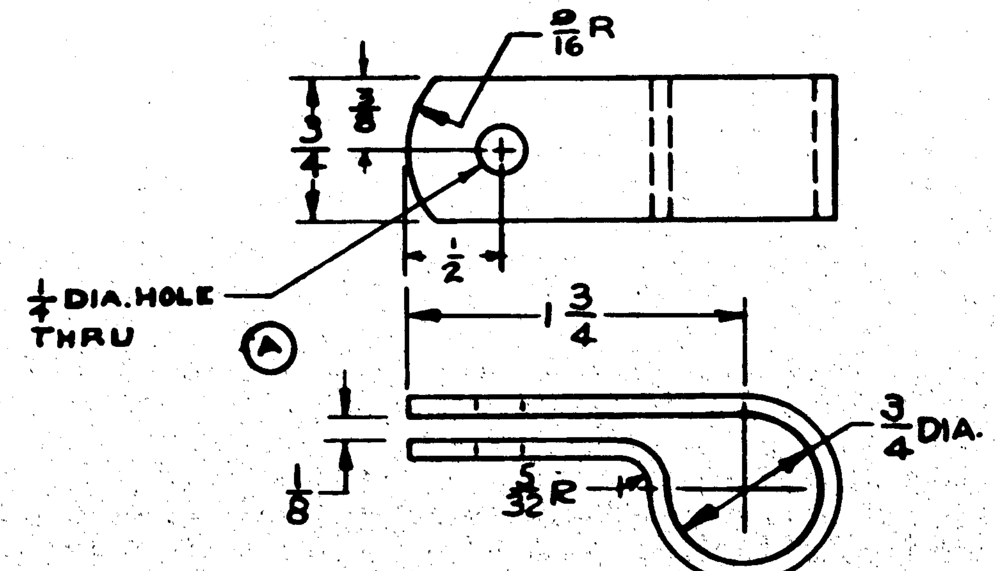
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

28U5096



LET	ALTERATION	DATE	BY
A	ADDED 1/4 DIA. HOLE THRU Ø DIMS 3/8 & 1/2 NO WT. CHG	9-13-43	[illegible]



NOA(S)1464
C.91876 #9180N

	PBY-5A	28U5058	4
	PBY-5	28U5058	4
ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.

REQUIREMENTS PER AIRPLANE

REPLACES	.11 CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	LH REQ. -0	RH REQ. -0	LH REQ. -2	RH REQ. -2	LH REQ. -3	RH REQ. -3	LH REQ. -4	RH REQ. -4	LH REQ. -5	RH REQ. -5
	.093 X 1 X 6	CHR MOLY ST	AN-QQ-S-685										

PARTS LIST PER ASSY.

AC		WALLACE					
NORMALIZE NAVY 95,000 TO 125,000	C	8-25-42				9-3-42	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

NAME CLIP- WAIST GUN ARMOR SUPPORT-LOWER

OPP. HAND ——

DWG. SIZE B

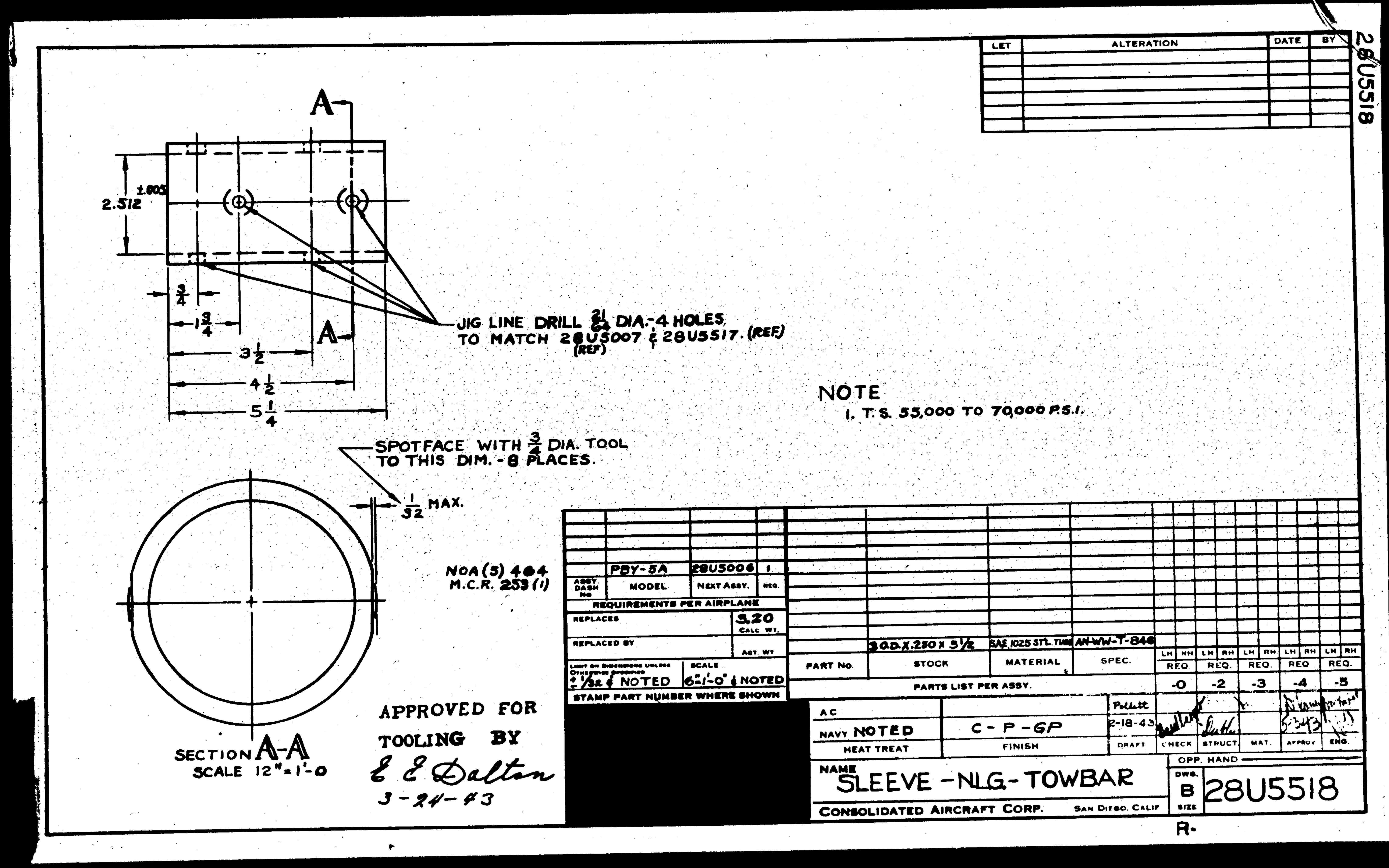
28U5101

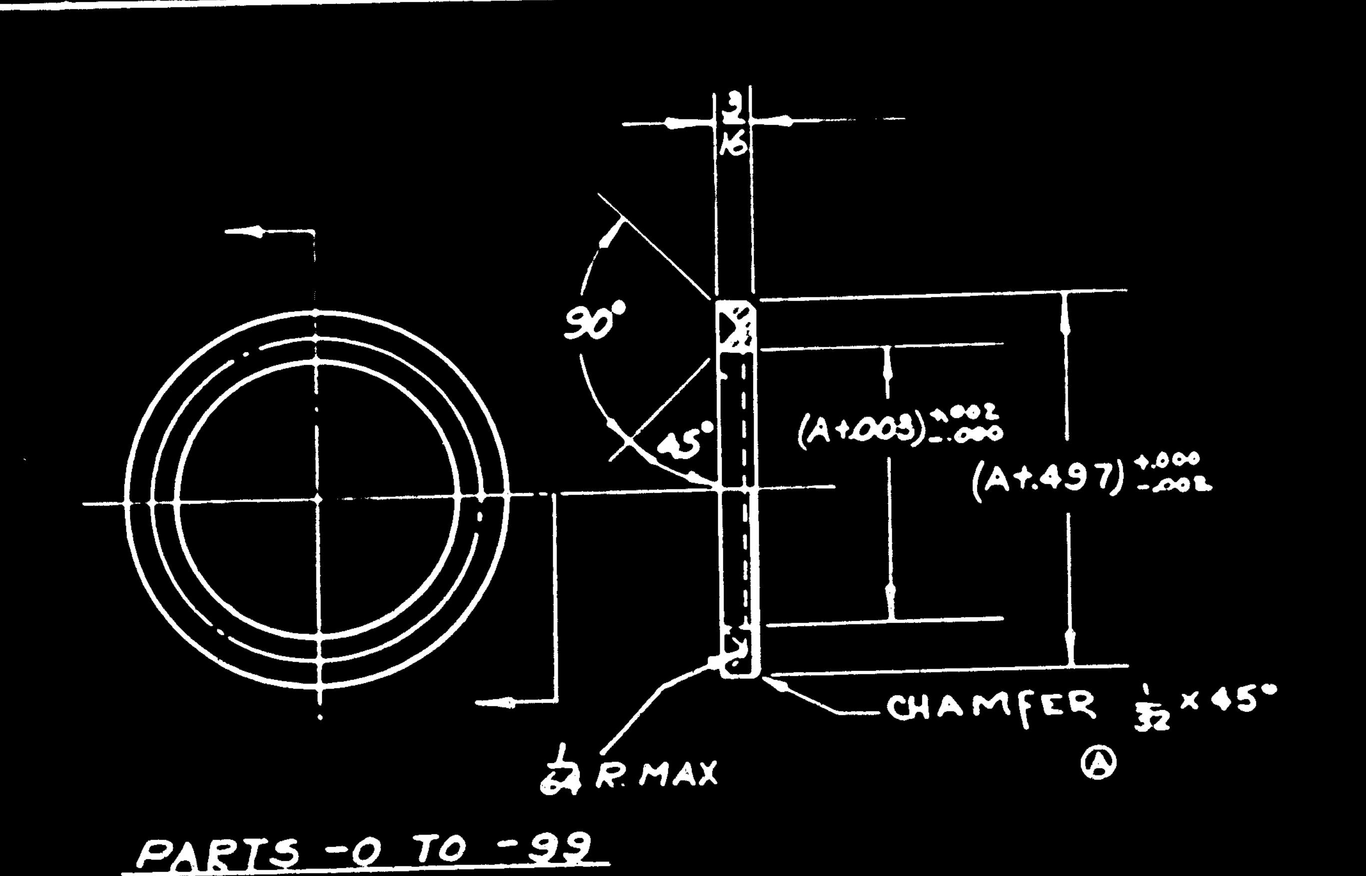
CONSOLIDATED AIRCRAFT CORP. WF SAN DIEGO, CALIF.

R

28U5101

NOTE:
THIS PART IS INTERCHANGEABLE WITH N.A.F. #215131.


28U5518
LET
ALTERATION
DATE
BY
A
2.512
±.005
3/4
1 3/4
3 1/2
4 1/2
5 1/4
JIG LINE DRILL 21/64 DIA.-4 HOLES
TO MATCH 28U5007 (REF) & 28U5517. (REF)
NOTE
1. T.S. 55,000 TO 70,000 P.S.I.
SPOTFACE WITH 3/4 DIA. TOOL
TO THIS DIM. - 8 PLACES.
1/32 MAX.
NOA (S) 464
M.C.R. 253 (1)
SECTION A-A
SCALE 12" = 1'-0
APPROVED FOR
TOOLING BY
E E Dalton
3-24-43
PBY-5A
28U5006
1
ASSY. DASH NO
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
3.20
CALC. WT.
REPLACED BY
ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/32 & NOTED
SCALE
6" = 1'-0" & NOTED
STAMP PART NUMBER WHERE SHOWN
3 O.D. X .250 X 5 1/2
SAE 1025 STL. TUBE
AN-WW-T-846
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ. -0
LH RH REQ. -2
LH RH REQ. -3
LH RH REQ. -4
LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY NOTED
HEAT TREAT
C - P - GP
FINISH
Pollitt
2-18-43
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
5-3-43
OPP. HAND
NAME
SLEEVE - NLG - TOWBAR
DWG. SIZE B
28U5518
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
R-



LET	ALTERATION
A	ADD 1/32 x 45° CHAMFER
B	ADDED TO NOTE #3. "MANGANESE BRONZE SPEC. QQ-B-721. TYPE I - 1/2 H." (NO WT. CHG.

CODE & NOTES

1. - LAST TWO NUMBERS IN DASH NO. IS "A" IN 32NDS.
2. - BREAK ALL EDGES .010 MAX.
3. - MAT'L. TO BE LUMEN ALLOY #11-C-H.T. #3, AC SPEC. QQ-B-666 GR. B TYPE II; OR LUMEN #20; OR PHOS. BRONZE (HARD), AC SPEC. QQ-B-746 TYPE II - GR. A. OR MANGANESE BRONZE SPEC. QQ-B-721 TYPE I - 1/2 H (B)
4. - WT. OF -0 TO -99 = .0277 (I.D. +.25) LBS. / WT. OF -100 TO -199 = .0190 (I.D. +.25) LBS. } ENG. INFO.

*[See Release Sheet For Rqmts & Next Assy]

	MODEL	NEXT ASSY	REQ
*	OA-10		
*	PBY-5A		
*	28-5AMC		
*	PB2Y-3		
*	LB30		
*	B24D		
*	B24C		

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT. NOTED

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: .010, ± 1/2° — SCALE: NONE

STAMP PART NUMBER WHERE SHOWN

PART NO. — STOCK — MATERIAL

PARTS LIST PER ASSY: -0, -2, -3, -4, 5

AC: NONE — NONE

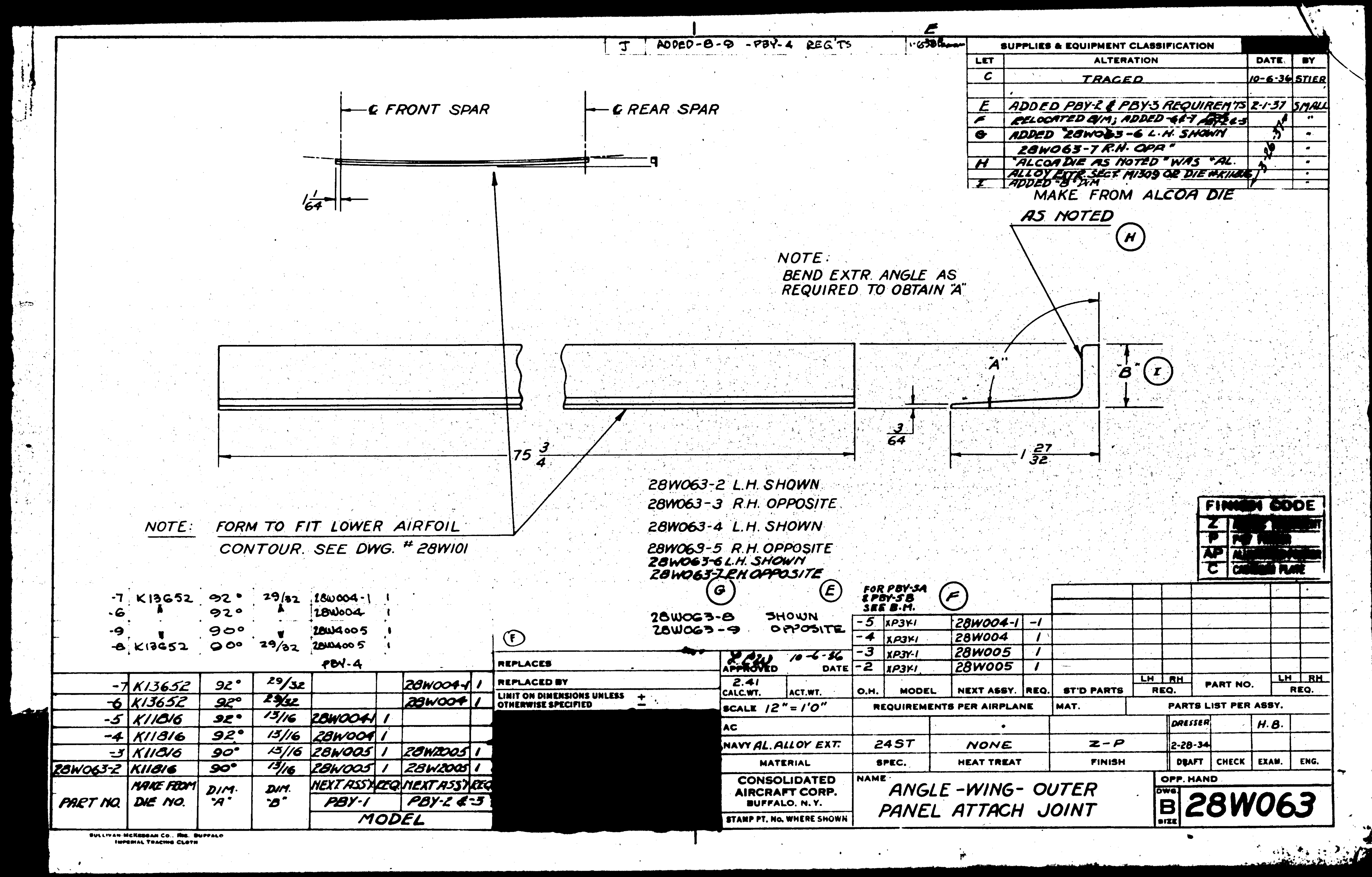
NAVY

HEAT TREAT — FINISH

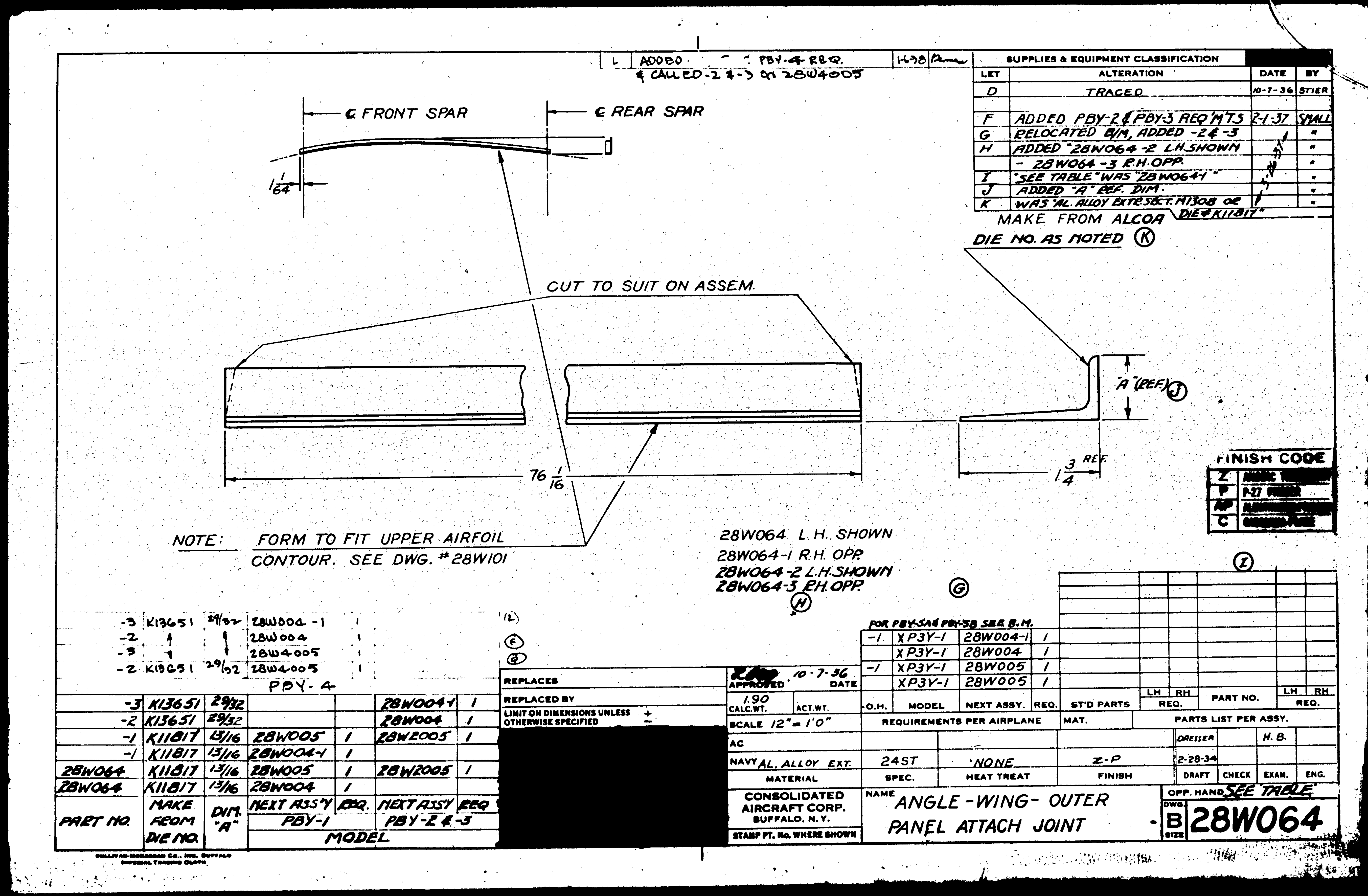
NAME: 1/4" PACKING RETAINERS - HYDRAULIC SYSTEM

B 33V001

CONSOLIDATED AIRCRAFT CORP — SAN DIEGO CALIF.



J ADDED-8-9 -PBY-4 REQ'TS
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C | TRACED | 10-6-36 | STIER
E | ADDED PBY-2 & PBY-3 REQUIREM'TS | 2-1-37 | SMALL
F | RELOCATED B/M; ADDED -4 & -7
G | ADDED "28W063-6 L.H. SHOWN 28W063-7 R.H. OPP."
H | "ALCOA DIE AS NOTED" WAS "AL. ALLOY EXTR. SECT. M1309 OR DIE #K11816"
I | ADDED "B" DIM
℄ FRONT SPAR
℄ REAR SPAR
1 1/64
MAKE FROM ALCOA DIE AS NOTED
NOTE: BEND EXTR. ANGLE AS REQUIRED TO OBTAIN "A"
"A"
"B"
3/64
75 3/4
1 27/32
28W063-2 L.H. SHOWN
28W063-3 R.H. OPPOSITE
28W063-4 L.H. SHOWN
28W063-5 R.H. OPPOSITE
28W063-6 L.H. SHOWN
28W063-7 R.H. OPPOSITE
28W063-8 SHOWN
28W063-9 OPPOSITE
NOTE: FORM TO FIT LOWER AIRFOIL CONTOUR. SEE DWG. # 28W101
FINISH CODE
Z
P
AP
C
-7 K13652 92° 29/32 28W004-1 1
-6 92° 28W004 1
-9 90° 28W4005 1
-8 K13652 90° 29/32 28W4005 1
PBY-4
FOR PBY-5A & PBY-5B SEE B.M.
-5 XP3Y-1 28W004-1 1
-4 XP3Y-1 28W004 1
-3 XP3Y-1 28W005 1
-2 XP3Y-1 28W005 1
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
-7 K13652 92° 29/32 28W004-1 1
-6 K13652 92° 29/32 28W004 1
-5 K11816 92° 13/16 28W004-1 1
-4 K11816 92° 13/16 28W004 1
-3 K11816 90° 13/16 28W005 1 28W2005 1
28W063-2 K11816 90° 13/16 28W005 1 28W2005 1
PART NO. | MAKE FROM DIE NO. | DIM. "A" | DIM. "B" | NEXT ASS'Y | REQ. | NEXT ASS'Y | REQ.
PBY-1 | PBY-2 & -3
MODEL
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
[redacted]
APPROVED 10-6-36 DATE
2.41 CALC. WT. | ACT. WT.
SCALE 12" = 1'0"
AC
NAVY AL. ALLOY EXT. | 24ST | NONE | Z-P
MATERIAL | SPEC. | HEAT TREAT | FINISH
DRESSER | H.B.
2-28-34
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME ANGLE-WING-OUTER PANEL ATTACH JOINT
OPP. HAND
DWG. B SIZE 28W063
SULLIVAN-McKEEGAN CO., INC. BUFFALO
IMPERIAL TRACING CLOTH



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
D | TRACED | 10-7-36 | STIER
F | ADDED PBY-2 & PBY-3 REQ'M'TS | 2-1-37 | SMALL
G | RELOCATED B/M, ADDED -2 & -3
H | ADDED "28W064-2 L.H. SHOWN - 28W064-3 R.H. OPP.
I | "SEE TABLE" WAS "28W064-1"
J | ADDED "A" REF. DIM.
K | WAS "AL. ALLOY EXTR. SECT. M1308 OR DIE # K11817"
L | ADDED PBY-4 REQ. & CALLED -2 & -3 ON 28W4005
℄ FRONT SPAR
℄ REAR SPAR
1 1/64
MAKE FROM ALCOA DIE NO. AS NOTED (K)
CUT TO SUIT ON ASSEM.
"A" (REF.) (J)
76 1/16
1 3/4 REF.
FINISH CODE
Z
P
AP
C
NOTE: FORM TO FIT UPPER AIRFOIL CONTOUR. SEE DWG. # 28W101
28W064 L.H. SHOWN
28W064-1 R.H. OPP.
28W064-2 L.H. SHOWN
28W064-3 R.H. OPP. (H)
(G)
(I)
-3 K13651 29/32 28W004-1 1
-2 K13651 29/32 28W004 1
-3 K13651 29/32 28W4005 1
-2 K13651 29/32 28W4005 1
PBY-4
(L) (F) (G)
-3 K13651 29/32 28W004-1 1
-2 K13651 29/32 28W004 1
-1 K11817 13/16 28W005 1 28W2005 1
-1 K11817 13/16 28W004-1 1
28W064 K11817 13/16 28W005 1 28W2005 1
28W064 K11817 13/16 28W004 1
PART NO. | MAKE FROM DIE NO. | DIM. "A" | NEXT ASS'Y | REQ. | NEXT ASS'Y | REQ
PBY-1 | PBY-2 & -3
MODEL
FOR PBY-5A & PBY-5B SEE B.M.
-1 XP3Y-1 28W004-1 1
XP3Y-1 28W004 1
-1 XP3Y-1 28W005 1
XP3Y-1 28W005 1
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
[redacted]
APPROVED 10-7-36 DATE
1.90 CALC. WT. | ACT. WT.
SCALE 12" = 1'0"
AC
NAVY AL. ALLOY EXT. | 24ST | NONE | Z-P
MATERIAL | SPEC. | HEAT TREAT | FINISH
DRESSER | H. B.
2-28-34
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME ANGLE - WING - OUTER PANEL ATTACH JOINT
OPP. HAND SEE TABLE
DWG. B SIZE 28W064

SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
E	TRACED TO DATE	3-3-37	[illegible]
F	B/M CORRECTED-PBY-5 REQ.	10-2-40	[illegible]
G	ADDED TOLER. ON -1 & -2	11-14-40	[illegible]
H	CHANGED H.T. ON FACE OF DRWG. FROM NAF SH27B-1 TO PH-5-10; 125,000 #/□	5-1-41	HURLEY

B.A.C.E.O. 132
B.A.C.E.O. 103
E.O. 36423

AN393-21
AN380-B2-2

3/16 — 3/32 — 5/8 DIA. — 3/16 — 3/32

#10(.193) DRILL — PART NO. — 5R./16 — 1R./16 — 5R./32

1/16 — 1/4 — 21/32 — 3/64 — 7/16 — 5/32 — .01R.

#48(.076) DRILL

1/4-28NF-3

.249 +.000 / -.003

3/32 — 3/4 — 3/8

F (.257) DRILL — 5R./16 — 3R./32 — 1/32 R.

9/16 +.002 / -.000 FOR -2
9/16 +.000 / -.002 FOR -1
(G)

(-1) ST. BAR-SPEC. 46S23
HT PH-5-10 (H)
125,000 #/□

(-2) ST. BAR-SPEC. 46S23
H.T. PH-5-10
125,000 #/□

O.H.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS (F)	REQ. LH	REQ. RH	PART NO.	REC. LH	REC. RH
	PBY-5A&6	28W180	4EA						
	PBY-4&5	28W180-1							
	PBY-4&5	28W180							
	PBY-3	28W180-1							
	PBY-3	28W180							
	PBY-2	28W180-1							
	PBY-2	28W180							
	PBY-1	28W180-1							
	PBY-1	28W180							
	XP3Y-1	28W180-1		AN380-B2-2	1		-2		
	XP3Y-1	28W180		AN393-21	1		-1		

REQUIREMENTS PER AIRPLANE — MAT. — PARTS LIST PER ASSY.

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED +/−
[redacted]

APPROVED	LCW 1-21-36 DATE
CALC. WT. .07	ACT. WT.
SCALE 24" = 1'-0"	
AC	
NAVY NOTED	
MATERIAL NOTED	SPEC. NOTED
HEAT TREAT NOTED	FINISH CAD. COAT

DRAFT	CHECK	EXAM	ENG.
VOLK 9-7-34	[illegible] 3-3-37		

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.

STAMP PT. No. WHERE SHOWN

NAME: TERMINAL-WING-OUTER PANEL-HOISTING

OPP. HAND

DWG. SIZE B — 28W068

SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
AD	TRACED TO DATE & DWG. BROKEN UP INTO SEPARATE RIB DRAWINGS & SEPARATE NOSE RIB DRAWINGS.	5-11-37	SUGGS
AE	ADDED NOTE	3-18-38	M'Dougal
AF.	ADDED ± 1/16 ON ALL CONTOURS	4-19-41	J BOLTZ

EO# 38904 28-AL

TITLE	DRAWING NO.	OPP HAND	DRWG. SIZE
RIB #1 WING - AILERON	28W071-230	-231	D
RIB #1.2 WING - AILERON	28W071-233		D
RIB # 2 NOSE - WING - AILERON	28W071-197	-198	B
RIB # 2 WING - AILERON	28W071-199		D
RIB # 3 NOSE - WING - AILERON	28W071-200	-201	B
RIB # 3 WING - AILERON	28W071-202		D
RIB # 4 NOSE - WING - AILERON - INBD.	28W071-244	-245	B
RIB # 4 NOSE - WING - AILERON - OUTBD.	28W071-246	-247	B
RIB # 4 WING - AILERON	28W071-248		D
RIB # 5 NOSE - WING - AILERON	28W071-203	-204	B
RIB # 5 WING - AILERON	28W071-205		D
RIB # 6 NOSE - WING - AILERON	28W071-206	-207	B
RIB # 6 WING - AILERON	28W071-208		D
RIB # 7 NOSE - WING - AILERON - INBD	28W071-239*	-240*	B
RIB # 7 NOSE - WING - AILERON - OUTBD.	28W071-241*	-242*	B
RIB # 7 WING - AILERON	28W071-243*		D
RIB # 8 NOSE - WING - AILERON	28W071-209	-210	B
RIB # 8 WING - AILERON	28W071-211*		D
RIB # 9 NOSE - WING - AILERON	28W071-212	-213	B
RIB # 9 WING - AILERON	28W071-214*		D
RIB # 10 NOSE - WING - AILERON - INBD.	28W071-234	-235	B
RIB # 10 NOSE - WING - AILERON - OUTBD.	28W071-236	-237	B
RIB # 10 WING - AILERON	28W071-238		G
RIB # 11 NOSE - WING - AILERON	28W071-215	-216	B
RIB # 11 WING - AILERON	28W071-217		D
RIB # 12 NOSE - WING - AILERON	28W071-218	-219	B
RIB # 12 WING - AILERON	28W071-220		D
RIB # 13 NOSE - WING - AILERON	28W071-221	-222	B
RIB # 13 WING - AILERON	28W071-223		G
RIB # 13.8 WING - AILERON	28W071-232		G
RIB # 14 WING - AILERON	28W071-226*	-227	G

NOTE -
THIS DRAWING IS AN INDEX OF SUB ASSEMBLY DRAWINGS

(AE) NOTE ~ RIB NUMBERS MARKED WITH * ASTERISK ARE NOT USED ON PBY-2, -3, & -4. SEE 28W2071 FOR RIBS USED ON PBY-2, -3, -4, & FUTURE TO REPLACE MARKED RIBS.

PBY-5A } SEE B/M.
PBY-5B }
OA-1
28-5'S
PBY-5
PBY-4 }
PBY-3 } SEE NOTE
PBY-2 }
PBY-1

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/16 ON ALL CONTOURS

[redacted]

APPROVED — DATE
CALC. WT. — ACT. WT. — O.H. — MODEL — EQ. — ST'D PARTS — LH RH REQ. — PART NO. — LH RH REQ.
SCALE — | REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
AC
NAVY —
MATERIAL — SPEC. — HEAT TREAT — FINISH

DRAFT	CHECK	EXAM.	ENG.
5-5-37 SUGGS			

OPP. HAND

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

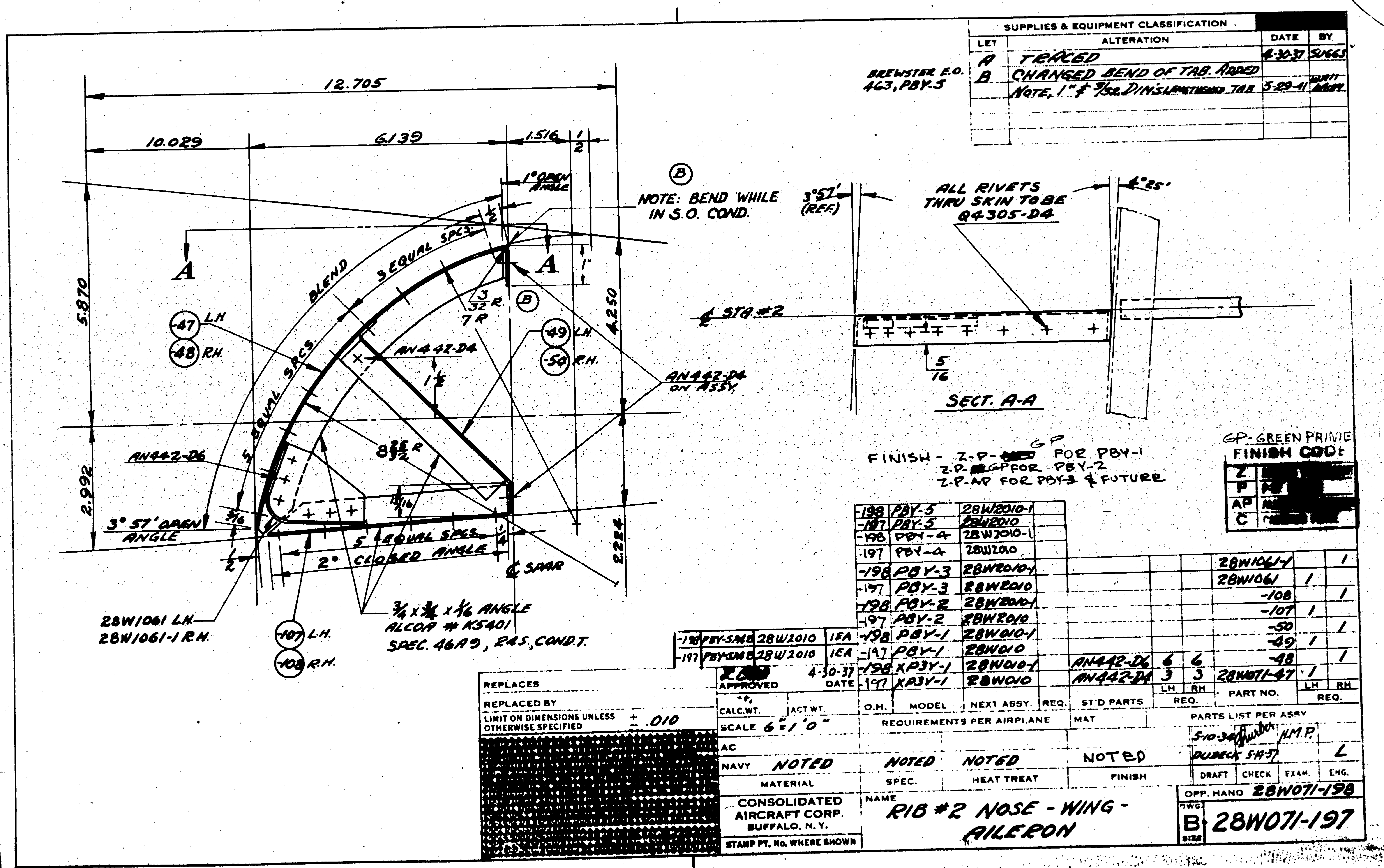
STAMP PT. No. WHERE SHOWN

NAME: INDEX - RIBS - WING - AILERON

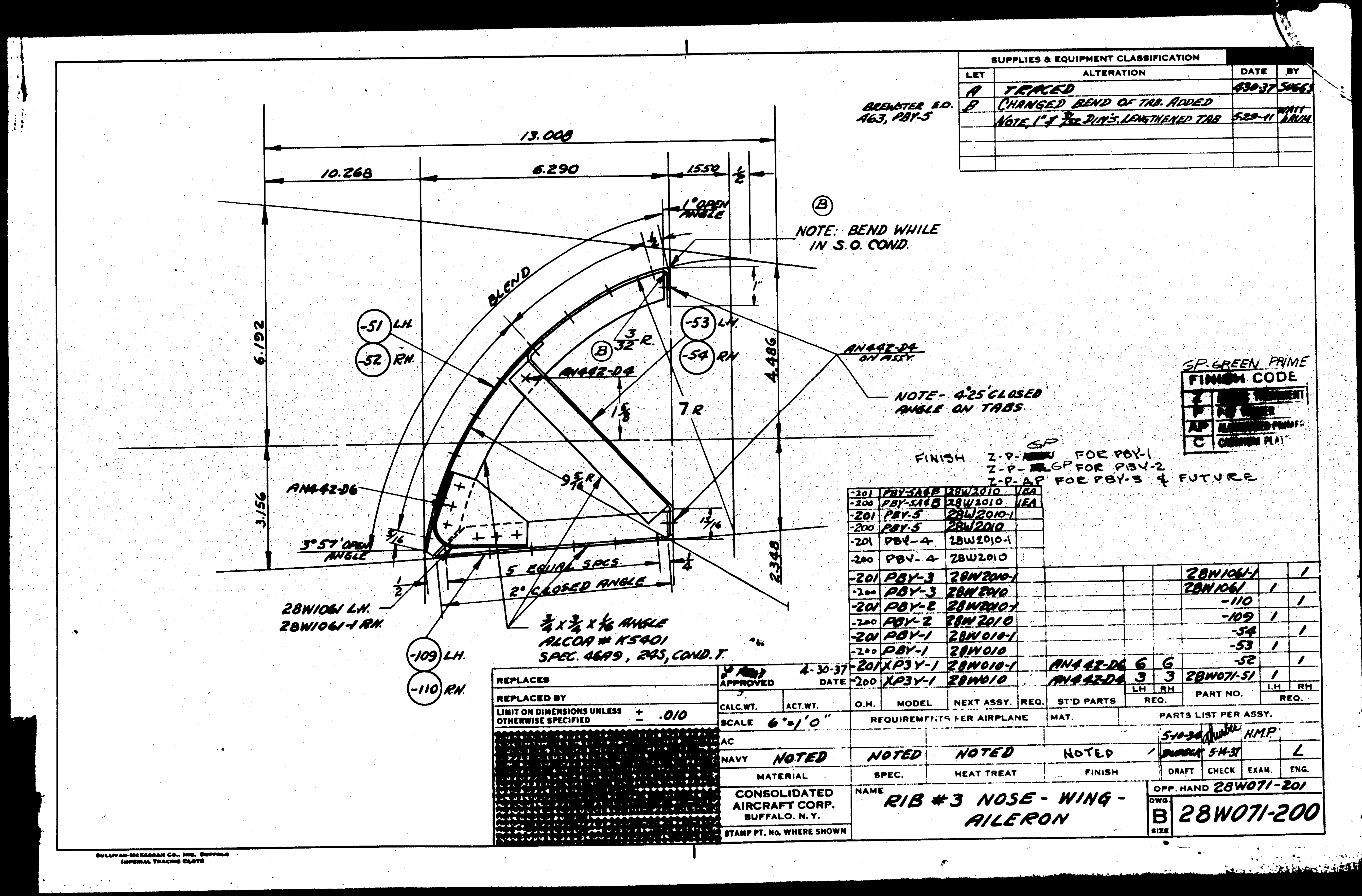
DWG. SIZE: B

28W071

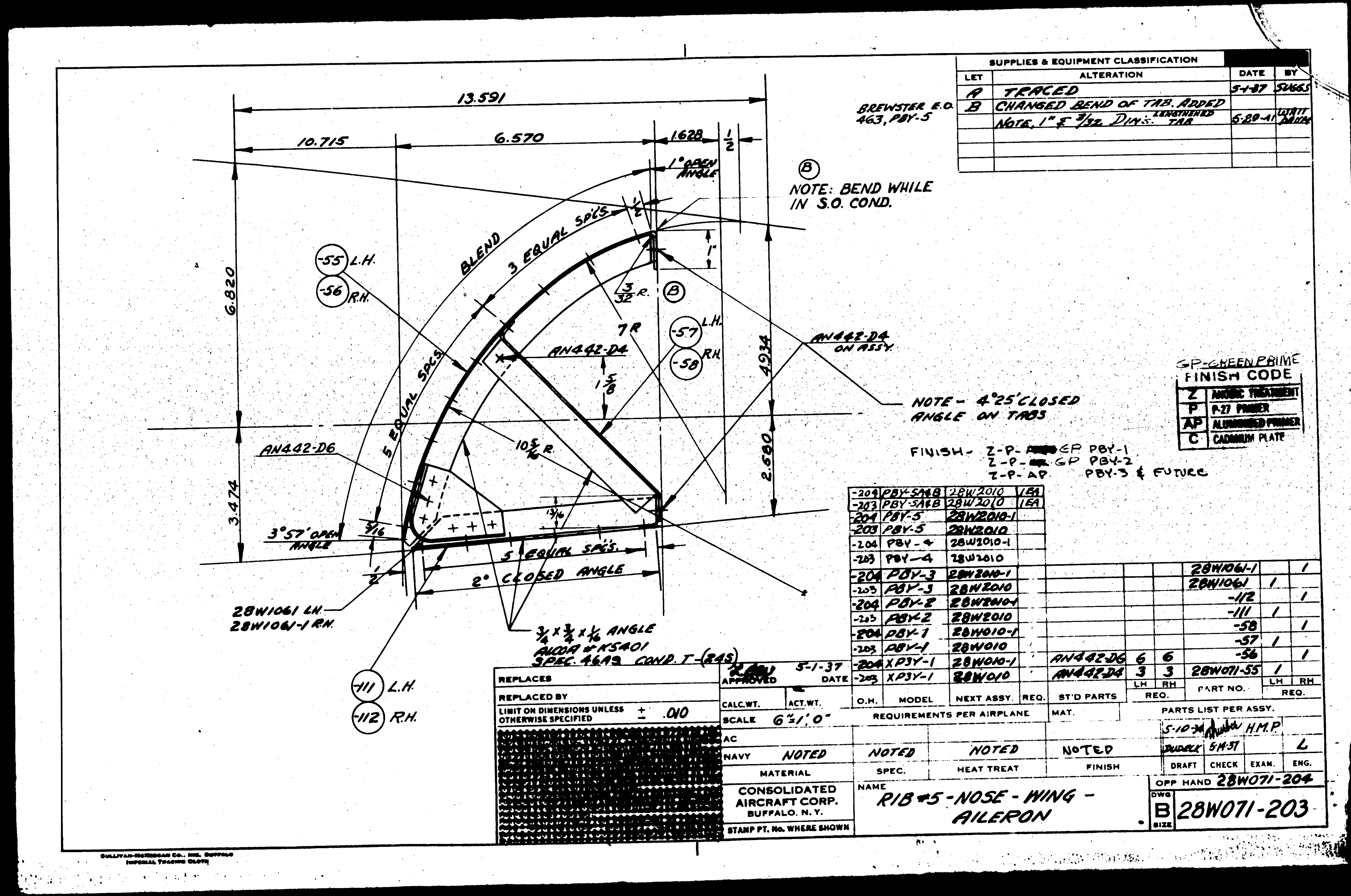
SULLIVAN-McKEOGAN CO., INC. BUFFALO
IMPERIAL TRACING CLOTH



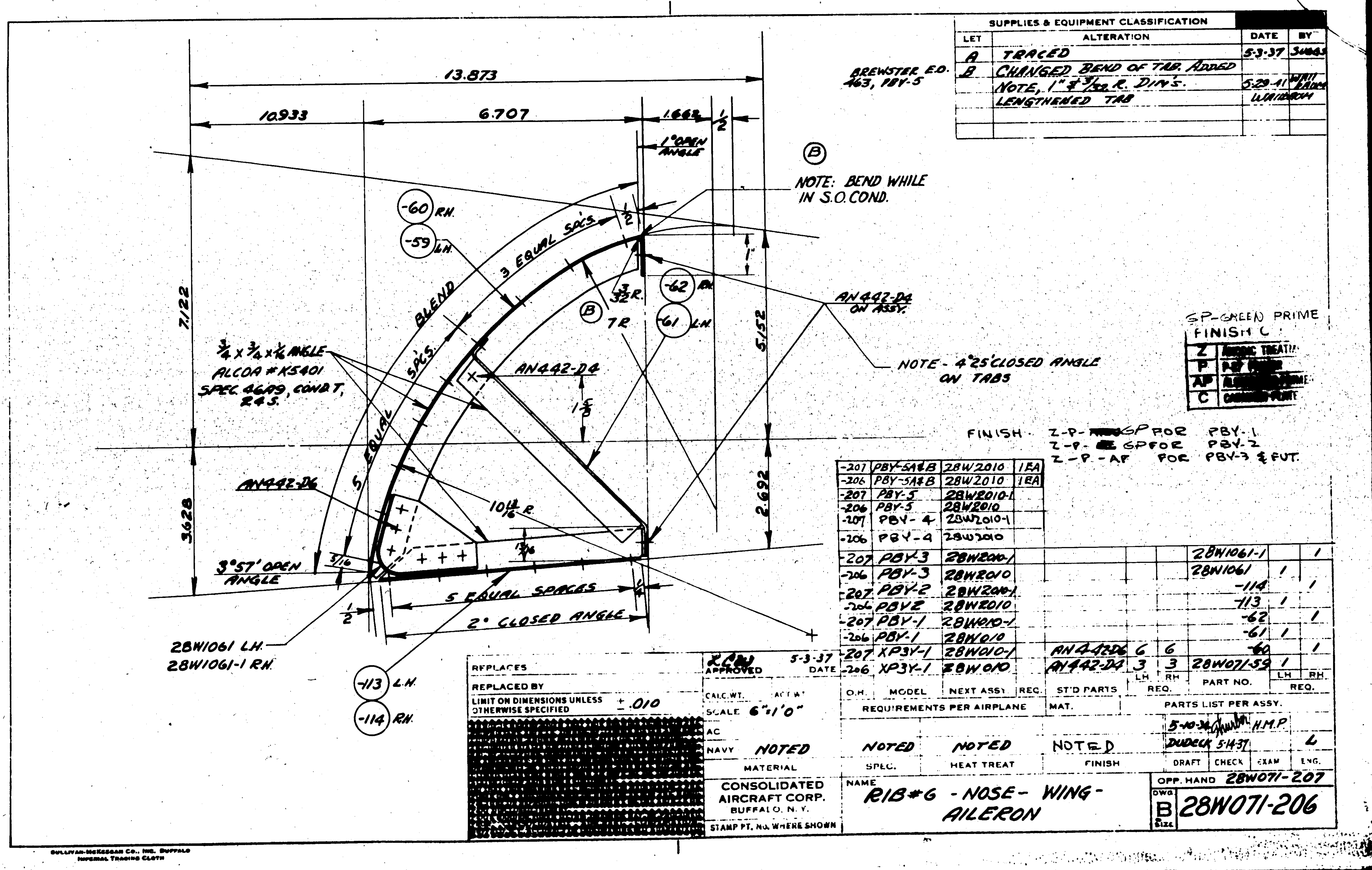
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A TRACED 4-30-37
B CHANGED BEND OF TAB. ADDED NOTE, 1" & 3/32 DIM'S LENGTHENED TAB 5-29-41
BREWSTER E.O. 463, PBY-5
12.705
10.029
6.139
1.516
1/2
5.870
2.992
4.250
2.224
1° OPEN ANGLE
NOTE: BEND WHILE IN S.O. COND.
A
3 EQUAL SPCS.
BLEND
5 EQUAL SPCS.
3/32 R.
7 R
1"
-47 L.H.
-48 R.H.
-49 L.H.
-50 R.H.
AN442-D4
AN442-D4 ON ASSY.
AN442-D6
1 1/2
8 25/32 R
13/16
3/16
3° 57' OPEN ANGLE
5 EQUAL SPCS.
2° CLOSED ANGLE
℄ SPAR
28W1061 L.H.
28W1061-1 R.H.
-107 L.H.
-108 R.H.
3/4 x 3/4 x 1/16 ANGLE ALCOA # K5401 SPEC. 46A9, 24S, COND.T.
3° 57' (REF.)
ALL RIVETS THRU SKIN TO BE Q4305-D4
4° 25'
℄ STA. #2
5/16
SECT. A-A
FINISH - Z-P-GP FOR PBY-1
Z-P-GP FOR PBY-2
Z-P-AP FOR PBY-3 & FUTURE
GP - GREEN PRIME
FINISH CODE
Z
P
AP
C
-198 PBY-5 28W2010-1
-197 PBY-5 28W2010
-198 PBY-4 28W2010-1
-197 PBY-4 28W2010
-198 PBY-3 28W2010-1
-197 PBY-3 28W2010
-198 PBY-2 28W2010-1
-197 PBY-2 28W2010
-198 PBY-1 28W010-1
-197 PBY-1 28W010
-198 XP3Y-1 28W010-1
-197 XP3Y-1 28W010
-198 PBY-SMB 28W2010 1EA
-197 PBY-SMB 28W2010 1EA
O.H. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
AN442-D6 6 6
AN442-D4 3 3
ST'D PARTS | LH | RH | REQ.
28W1061-1 1
28W1061 1
-108 1
-107 1
-50 1
-49 1
-48 1
28W071-47 1
PART NO. | LH | RH | REQ.
PARTS LIST PER ASSY
MAT
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
APPROVED 4-30-37 DATE
CALC.WT. ACT.WT.
SCALE 6" = 1' 0"
AC
NAVY NOTED
MATERIAL
NOTED SPEC.
NOTED HEAT TREAT
NOTED FINISH
5-10-34 H.M.P.
DUBECK 5-14-37
DRAFT CHECK EXAM. ENG.
OPP. HAND 28W071-198
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME RIB #2 NOSE - WING - AILERON
DWG. B SIZE 28W071-197

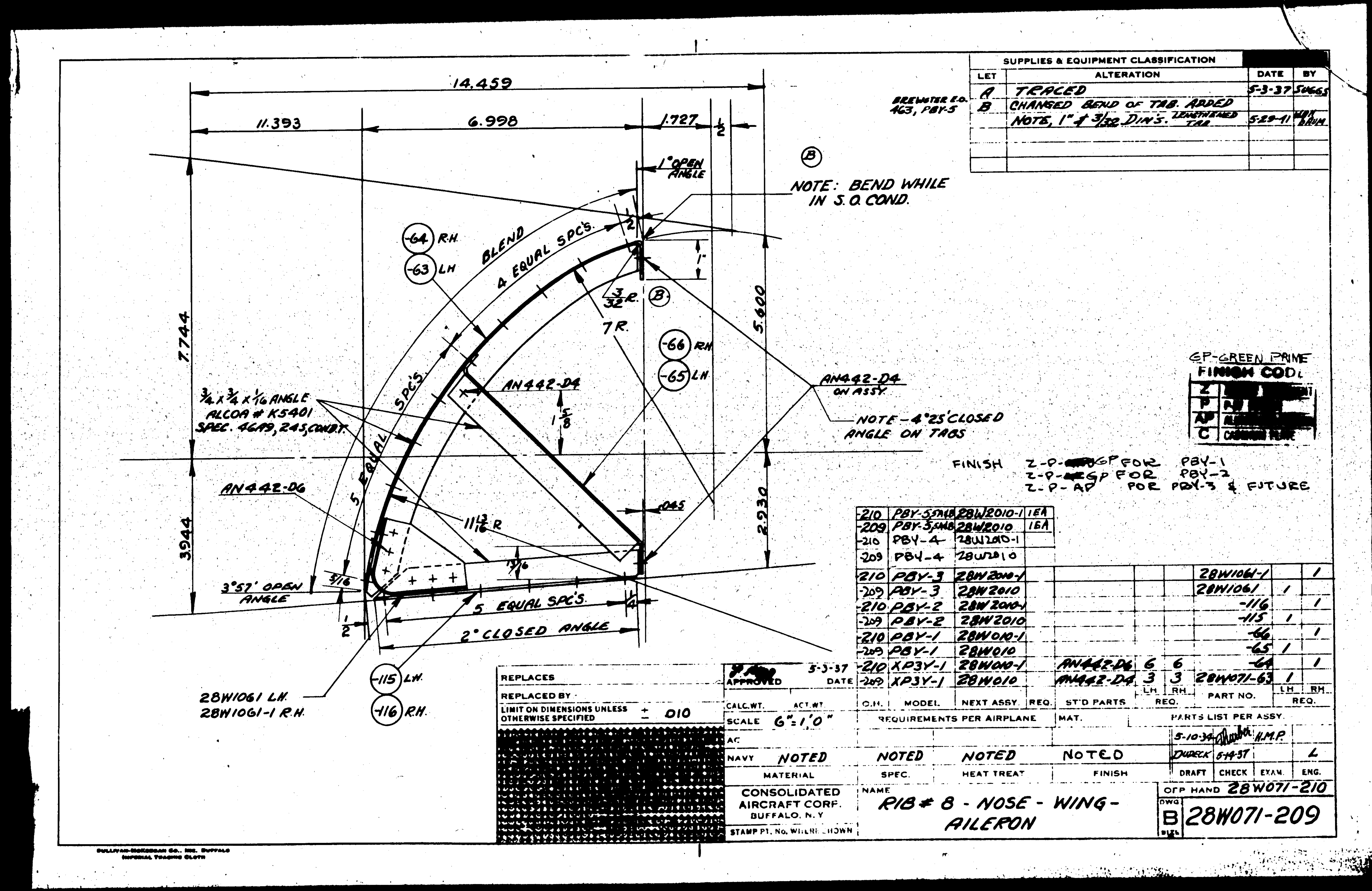


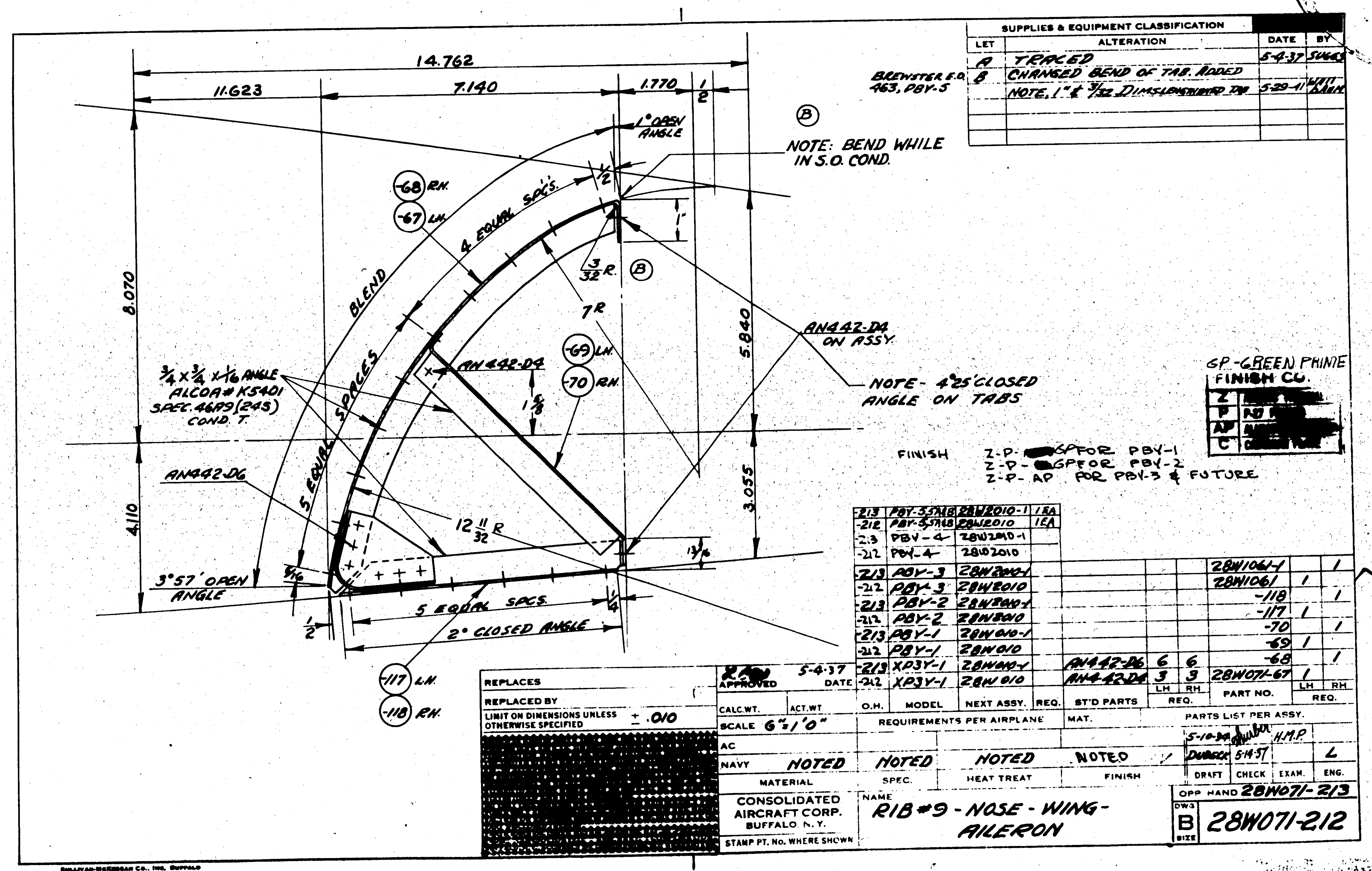
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED | 4-30-37 | SUGGS
B | CHANGED BEND OF TAB. ADDED NOTE, 1" & 3/32 DIM'S, LENGTHENED TAB | 5-29-41 | WATT BRUM
BREWSTER E.O. 463, PBY-5
13.008
10.268
6.290
1.550
1/2
1° OPEN ANGLE
NOTE: BEND WHILE IN S.O. COND.
BLEND
6.192
3.156
-51 LH.
-52 RH.
-53 LH.
-54 RH.
3/32 R.
AN442-D4
AN442-D4 ON ASSY.
NOTE- 4°25' CLOSED ANGLE ON TABS
4.486
1 5/8
7 R
9 5/16 R.
AN442-D6
3°57' OPEN ANGLE
5/16
13/16
1/2
1/4
2.348
5 EQUAL SPCS.
2° CLOSED ANGLE
28W1061 LH.
28W1061-1 RH.
3/4 X 3/4 X 1/16 ANGLE
ALCOA # K5401
SPEC. 46A9, 24S, COND. T.
-109 LH.
-110 RH.
GP-GREEN PRIME
FINISH CODE
Z [redacted]
P [redacted]
AP [redacted] PRIMER
C [redacted] PLAT
FINISH Z-P-GP FOR PBY-1
Z-P-GP FOR PBY-2
Z-P-AP FOR PBY-3 & FUTURE
-201 PBY-5A&B 28W2010 1EA
-200 PBY-5A&B 28W2010 1EA
-201 PBY-5 28W2010-1
-200 PBY-5 28W2010
-201 PBY-4 28W2010-1
-200 PBY-4 28W2010
-201 PBY-3 28W2010-1 | 28W1061-1 | RH 1
-200 PBY-3 28W2010 | 28W1061 | LH 1
-201 PBY-2 28W2010-1 | -110 | RH 1
-200 PBY-2 28W2010 | -109 | LH 1
-201 PBY-1 28W010-1 | -54 | RH 1
-200 PBY-1 28W010 | -53 | LH 1
-201 XP3Y-1 28W010-1 | AN442-D6 6 6 | -52 | RH 1
-200 XP3Y-1 28W010 | AN442-D4 3 3 | 28W071-51 | LH 1
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
APPROVED 4-30-37 DATE
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
CALC.WT. ACT.WT.
SCALE 6"=1'0"
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
AC
NAVY NOTED | NOTED | NOTED | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
5-10-36 | 5-14-37 | H.M.P. | L
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME RIB #3 NOSE - WING - AILERON
OPP. HAND 28W071-201
DWG. B SIZE 28W071-200
SULLIVAN-McKEEGAN CO., INC. BUFFALO
IMPERIAL TRACING CLOTH



SUPPLIES & EQUIPMENT CLASSIFICATION [redacted]
LET ALTERATION DATE BY
A TRACED 5-1-37 SUGGS
B CHANGED BEND OF TAB. ADDED NOTE, 1" & 3/32 DIMS. LENGTHENED TAB 5-29-41
BREWSTER E.O. 463, PBY-5
13.591
10.715
6.570
1.628
1/2
1° OPEN ANGLE
NOTE: BEND WHILE IN S.O. COND.
BLEND
3 EQUAL SPCS
1"
3/32 R.
-55 L.H.
-56 R.H.
-57 L.H.
-58 R.H.
7 R
AN442-D4
AN442-D4 ON ASSY.
1 5/8
4.934
6.820
3.474
2.580
5 EQUAL SPCS
NOTE - 4°25' CLOSED ANGLE ON TABS
GP-GREEN PRIME
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
FINISH - Z-P-GP PBY-1
Z-P-GP PBY-2
Z-P-AP PBY-3 & FUTURE
AN442-D6
10 5/16 R.
13/16
3°57' OPEN ANGLE
5/16
5 EQUAL SPCS.
1/2
2° CLOSED ANGLE
28W1061 LH.
28W1061-1 R.H.
3/4 x 3/4 x 1/16 ANGLE
ALCOA # KS401
SPEC. 46A9 COND. T-(24S)
-111 L.H.
-112 R.H.
-204 PBY-5A&B 28W2010 1EA
-203 PBY-5A&B 28W2010 1EA
-204 PBY-5 28W2010-1
-203 PBY-5 28W2010
-204 PBY-4 28W2010-1
-203 PBY-4 28W2010
-204 PBY-3 28W2010-1
-203 PBY-3 28W2010
-204 PBY-2 28W2010-1
-203 PBY-2 28W2010
-204 PBY-1 28W010-1
-203 PBY-1 28W010
-204 XP3Y-1 28W010-1
-203 XP3Y-1 28W010
O.H. MODEL NEXT ASSY. REQ.
REQUIREMENTS PER AIRPLANE
28W1061-1 1
28W1061 1
-112 1
-111 1
-58 1
-57 1
-56 1
AN442-D6 6 6
AN442-D4 3 3 28W071-55 1
ST'D PARTS REQ. LH RH PART NO. LH RH REQ.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
APPROVED 5-1-37 DATE
CALC.WT. ACT.WT.
SCALE 6"=1'0"
MAT.
AC
NAVY NOTED NOTED NOTED NOTED
MATERIAL SPEC. HEAT TREAT FINISH
5-10-37 H.M.P.
DUDECK 5-11-37 L
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME RIB #5 - NOSE - WING - AILERON
OPP HAND 28W071-204
DWG. B SIZE 28W071-203
SULLIVAN-McKEEGAN CO., INC. BUFFALO
IMPERIAL TRACING CLOTH


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A TRACED 5-3-37
B CHANGED BEND OF TAB. ADDED NOTE, 1" & 3/32 R. DIM'S. LENGTHENED TAB 5-29-41
BREWSTER E.O. 463, PBY-5
13.873
10.933
6.707
1.662
1/2
1° OPEN ANGLE
B
NOTE: BEND WHILE IN S.O. COND.
-60 RH.
-59 LH.
3 EQUAL SPC'S.
BLEND
5 EQUAL SPC'S.
3/32 R.
-62 RH.
-61 LH.
7 R.
1"
AN442-D4 ON ASSY.
5.152
7.122
3/4 x 3/4 x 1/16 ANGLE ALCOA # K5401 SPEC. 46A9, COND. T, 24 S.
AN442-D4
1 5/8
NOTE - 4°25' CLOSED ANGLE ON TABS
SP-GREEN PRIME
FINISH C
Z
P
AP
C
FINISH Z-P-GP FOR PBY-1
Z-P-GP FOR PBY-2
Z-P-AP FOR PBY-3 & FUT.
AN442-D6
3.628
2.692
10 11/16 R.
1 3/16
3/16
3°57' OPEN ANGLE
5 EQUAL SPACES
1/4
1/2
2° CLOSED ANGLE
28W1061 LH.
28W1061-1 RH.
-113 LH.
-114 RH.
-207 PBY-5A&B 28W2010 1EA
-206 PBY-5A&B 28W2010 1EA
-207 PBY-5 28W2010-1
-206 PBY-5 28W2010
-207 PBY-4 28W2010-1
-206 PBY-4 28W2010
-207 PBY-3 28W2010-1
-206 PBY-3 28W2010
-207 PBY-2 28W2010-1
-206 PBY2 28W2010
-207 PBY-1 28W2010-1
-206 PBY-1 28W2010
-207 XP3Y-1 28W010-1
-206 XP3Y-1 28W010
D.H. MODEL NEXT ASSY REQ.
REQUIREMENTS PER AIRPLANE
AN442-D6 6 6
AN442-D4 3 3
ST'D PARTS LH RH REQ.
MAT.
28W1061-1 1
28W1061 1
-114 1
-113 1
-62 1
-61 1
-60 1
28W071-59 1
PART NO. LH RH REQ.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
APPROVED 5-3-37 DATE
CALC. WT. ACT. WT.
SCALE 6" = 1'0"
AC
NAVY NOTED MATERIAL
NOTED SPEC.
NOTED HEAT TREAT
NOTED FINISH
5-10-36 H.M.P.
DUDECK 5-14-37
DRAFT CHECK EXAM ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. NO. WHERE SHOWN
NAME RIB #6 - NOSE - WING - AILERON
OPP. HAND 28W071-207
DWG B SIZE 28W071-206
SULLIVAN-McKESSAN CO., INC. BUFFALO IMPERIAL TRACING CLOTH


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED | 5-3-37 | SUGGS
B | CHANGED BEND OF TAB. ADDED NOTE, 1" & 3/32 DIM'S. LENGTHENED TAB | 5-29-41
BREWSTER E.O. 463, PBY-5
14.459
11.393
6.998
1.727
1/2
1° OPEN ANGLE
NOTE: BEND WHILE IN S.O. COND.
B
1"
3/32 R.
7 R.
5.600
2.930
7.744
3.944
BLEND
4 EQUAL SPC'S.
5 EQUAL SPC'S.
-64 R.H.
-63 LH
-66 RH
-65 LH
AN442-D4
AN442-D4 ON ASSY.
NOTE - 4°25' CLOSED ANGLE ON TABS
1 5/8
3/4 x 3/4 x 1/16 ANGLE ALCOA # K5401 SPEC. 46A9, 24S, COND.T.
AN442-D6
11 13/16 R
.045
13/16
5/16
3°57' OPEN ANGLE
5 EQUAL SPC'S.
1/4
1/2
2° CLOSED ANGLE
28W1061 LH.
28W1061-1 R.H.
-115 LH.
-116 RH.
GP-GREEN PRIME
FINISH CODE
Z [redacted]
P [redacted]
AP [redacted]
C [redacted]
FINISH Z-P-GP FOR PBY-1
Z-P-GP FOR PBY-2
Z-P-AP FOR PBY-3 & FUTURE
-210 PBY-5 STAB 28W2010-1 1EA
-209 PBY-5 STAB 28W2010 1EA
-210 PBY-4 28W2010-1
-209 PBY-4 28W2010
-210 PBY-3 28W2010-1 28W1061-1 1
-209 PBY-3 28W2010 28W1061 1
-210 PBY-2 28W2010-1 -116 1
-209 PBY-2 28W2010 -115 1
-210 PBY-1 28W010-1 -66 1
-209 PBY-1 28W010 -65 1
-210 XP3Y-1 28W010-1 AN442-D6 6 6 -64 1
-209 XP3Y-1 28W010 AN442-D4 3 3 28W071-63 1
O.H. MODEL NEXT ASSY. REQ. STD PARTS LH RH REQ. PART NO. LH RH REQ.
APPROVED 5-3-37 DATE
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
CALC.WT. ACT.WT.
SCALE 6" = 1'0"
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
AC
NAVY NOTED NOTED NOTED NOTED
MATERIAL SPEC. HEAT TREAT FINISH
5-10-34 H.M.P.
DUDECK 5-14-37
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
RIB # 8 - NOSE - WING - AILERON
OPP HAND 28W071-210
DWG B 28W071-209
SULLIVAN-McKEEGAN CO., INC. BUFFALO
IMPERIAL TRACING CLOTH

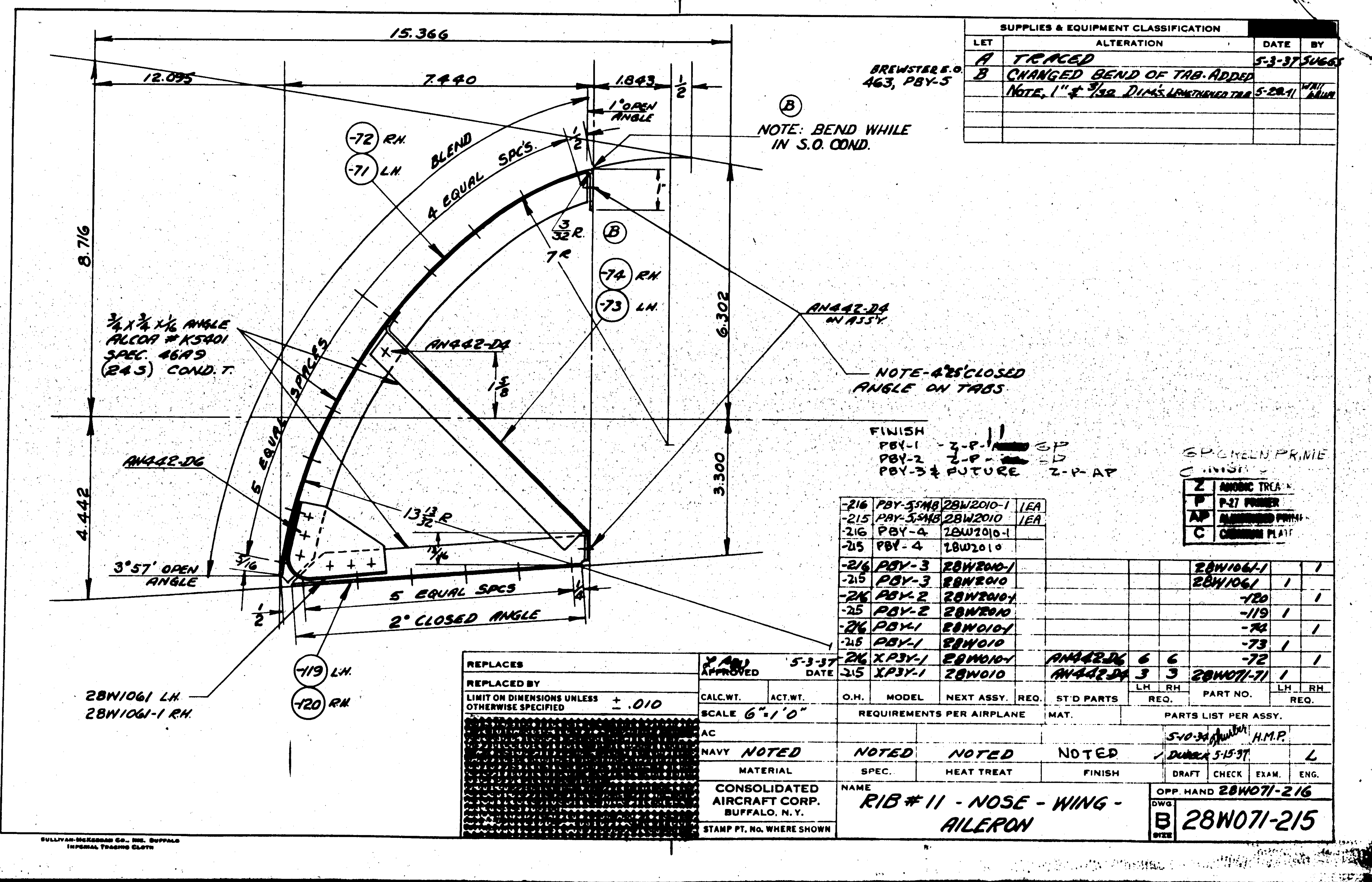


O.H.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS	REQ. LH	REQ. RH	PART NO.	REQ. LH	REQ. RH
-213	PBY-5 5A 6B	28W2010-1	1EA						
-212	PBY-5 5A 6B	28W2010	1EA						
-213	PBY-4	28W2010-1							
-212	PBY-4	28W2010							
-213	PBY-3	28W2010-1					28W1061-1		1
-212	PBY-3	28W2010					28W1061	1	
-213	PBY-2	28W2010-1					-118		1
-212	PBY-2	28W2010					-117	1	
-213	PBY-1	28W010-1					-70		1
-212	PBY-1	28W010					-69	1	
-213	XP3Y-1	28W010-1		AN442-D6	6	6	-68		1
-212	XP3Y-1	28W010		AN442-D4	3	3	28W071-67	1	

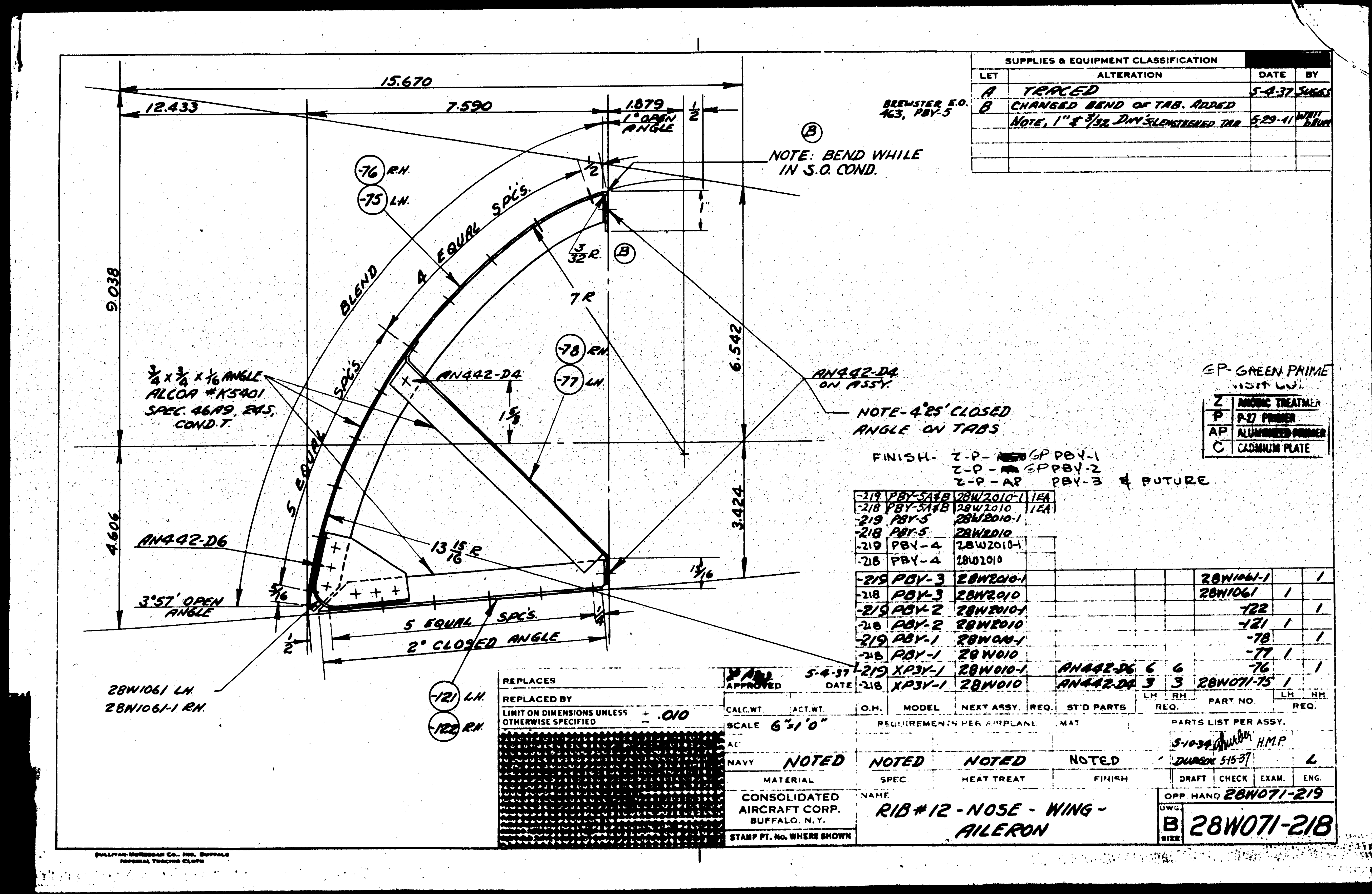
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.

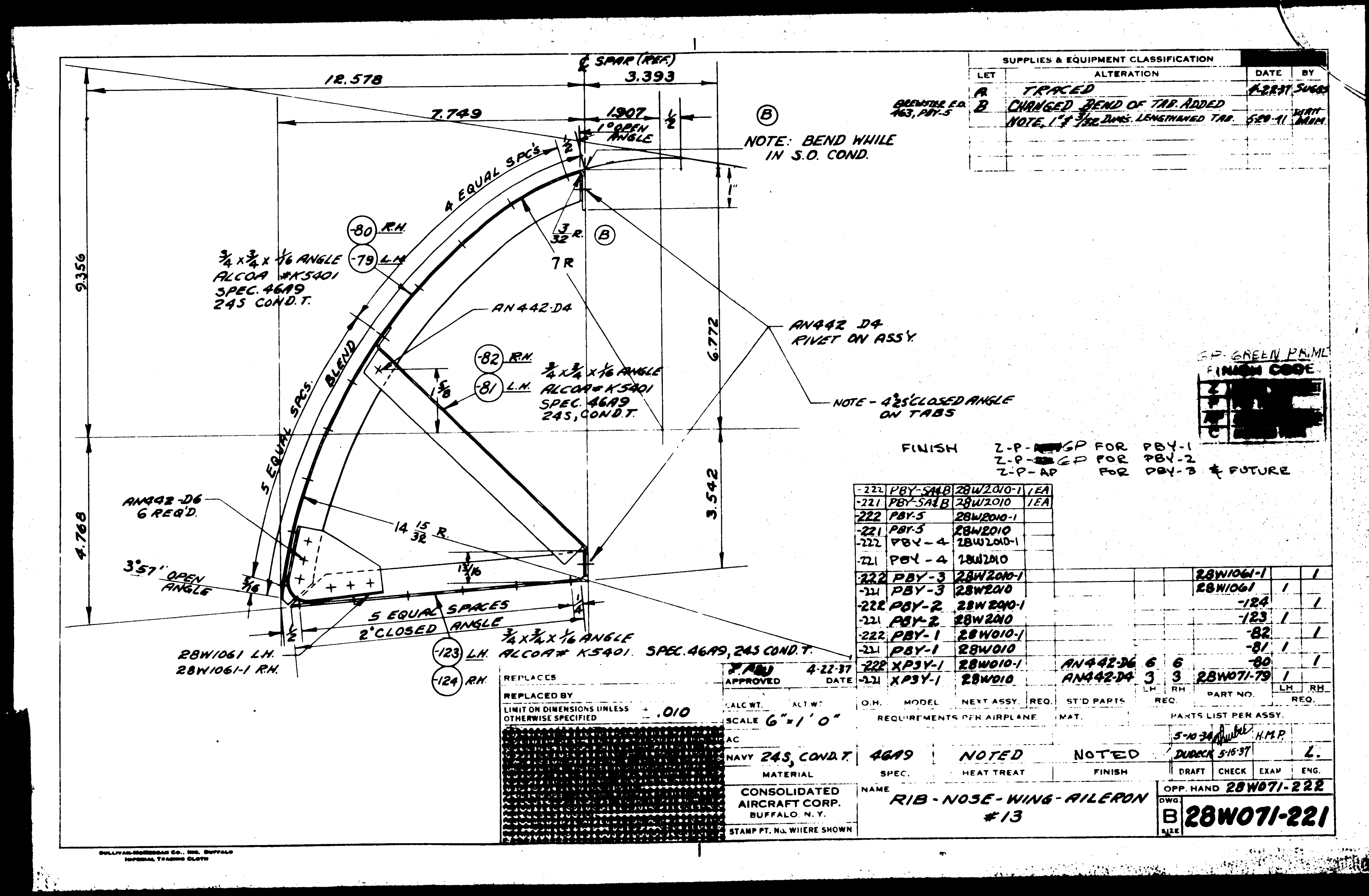
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
APPROVED 5-4-37 DATE
CALC.WT. ACT.WT
SCALE 6" = 1'0"
AC
NAVY NOTED — MATERIAL | NOTED — SPEC. | NOTED — HEAT TREAT | NOTED — FINISH
DRAFT 5-10-37 | CHECK 5-14-37 | EXAM. H.M.P. | ENG.
OPP HAND 28W071-213
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME RIB #9 - NOSE - WING - AILERON
DWG SIZE B 28W071-212

SULLIVAN-McKEEGAN Co., Inc. BUFFALO IMPERIAL TRACING CLOTH

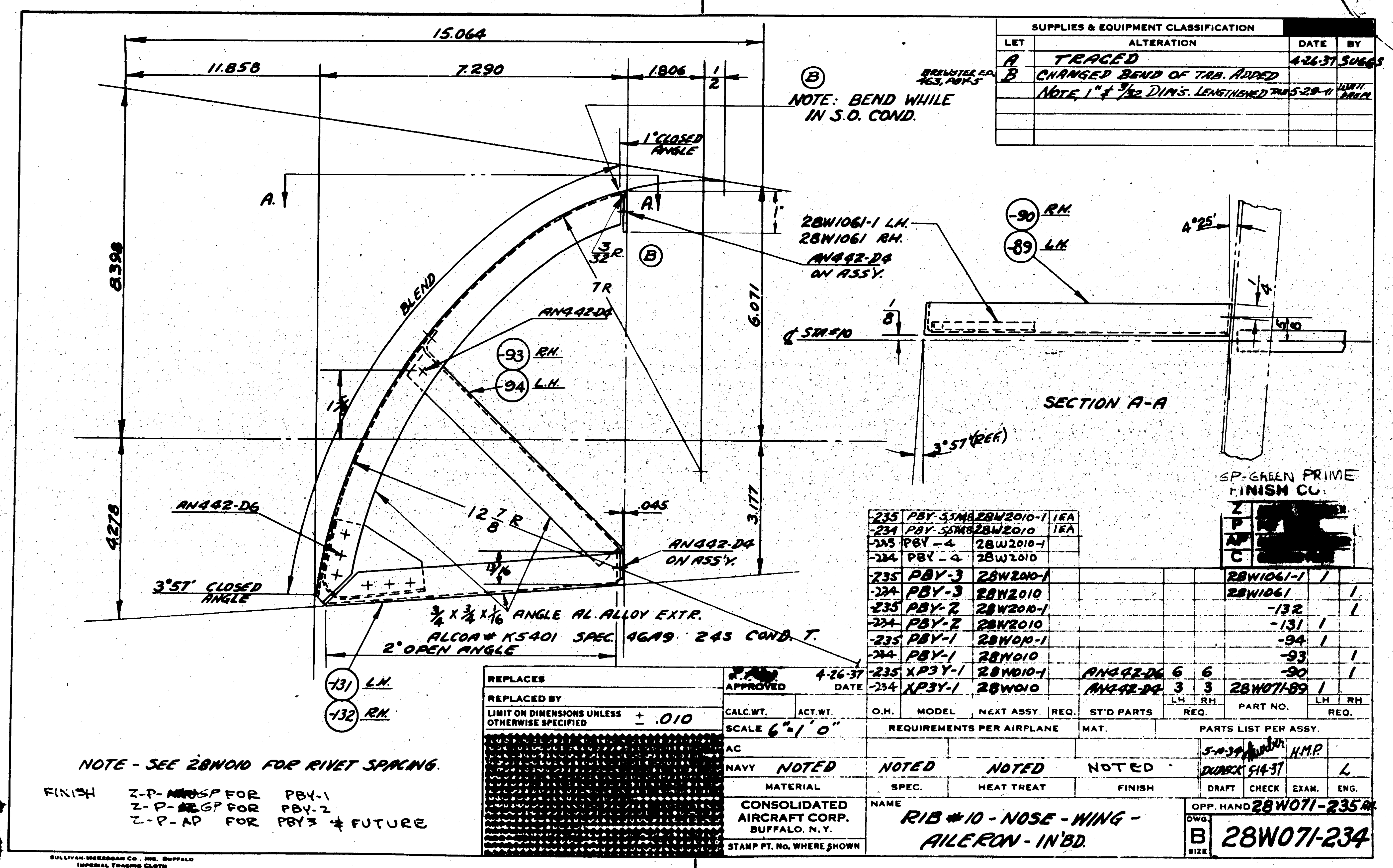


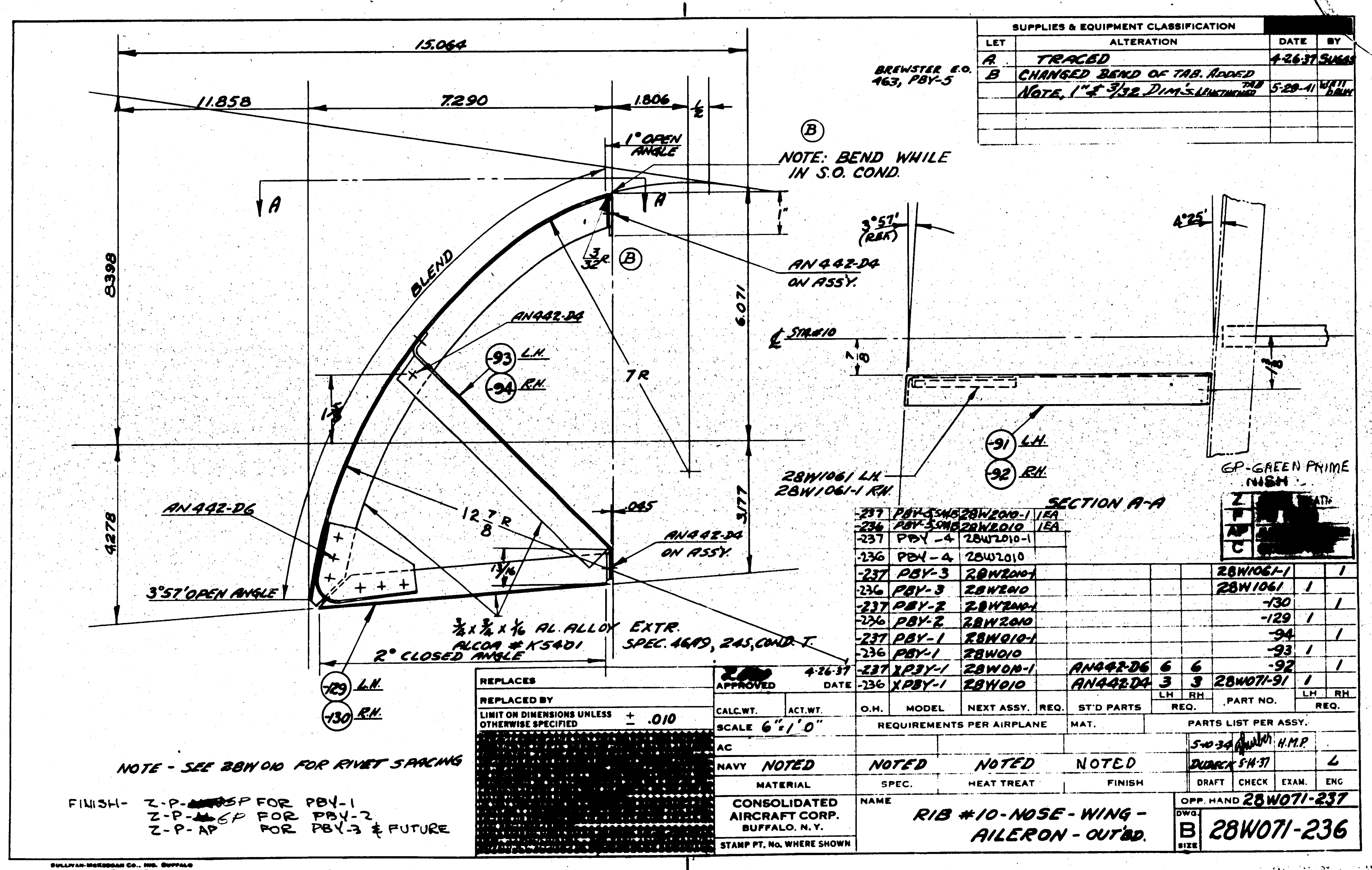
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED | 5-3-37 | SUGGS
B | CHANGED BEND OF TAB. ADDED NOTE, 1" & 3/32 DIM'S LENGTHENED TAB | 5-29-41
BREWSTER E.O. 463, PBY-5
NOTE: BEND WHILE IN S.O. COND.
15.366
12.095
7.440
1.843
1/2
1° OPEN ANGLE
-72 R.H.
-71 L.H.
BLEND
4 EQUAL SPC'S.
1"
3/32 R.
7R
-74 R.H.
-73 L.H.
8.716
6.302
4.442
3.300
3/4 X 3/4 X 1/16 ANGLE ALCOA # K5401 SPEC. 46A9 (24S) COND. T.
AN442-D4
AN442-D4 ON ASS'Y.
NOTE-4°25' CLOSED ANGLE ON TABS
1 5/8
5 EQUAL SPACES
AN442-D6
13 13/32 R
13/16
3/16
3°57' OPEN ANGLE
5 EQUAL SPCS
1/4
2° CLOSED ANGLE
-119 L.H.
-120 R.H.
28W1061 L.H.
28W1061-1 R.H.
FINISH
PBY-1 Z-P-GP
PBY-2 Z-P-GP
PBY-3 & FUTURE Z-P-AP
Z ANODIC TREAT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CHROMIUM PLATE
-216 PBY-5,5MB 28W2010-1 1EA
-215 PBY-5,5MB 28W2010 1EA
-216 PBY-4 28W2010-1
-215 PBY-4 28W2010
-216 PBY-3 28W2010-1
-215 PBY-3 28W2010
-216 PBY-2 28W2010-1
-215 PBY-2 28W2010
-216 PBY-1 28W010-1
-215 PBY-1 28W010
-216 XP3Y-1 28W010-1
-215 XP3Y-1 28W010
AN442-D6 6 6
AN442-D4 3 3
28W1061-1 1
28W1061 1
-120 1
-119 1
-74 1
-73 1
-72 1
28W071-71 1
O.H. MODEL NEXT ASSY. REQ.
REQUIREMENTS PER AIRPLANE
ST'D PARTS LH RH REQ.
PART NO. LH RH REQ.
PARTS LIST PER ASSY.
MAT.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
APPROVED 5-3-37 DATE
CALC.WT. ACT.WT.
SCALE 6"=1'0"
AC
NAVY NOTED NOTED NOTED NOTED
MATERIAL SPEC. HEAT TREAT FINISH
5-10-37 H.M.P.
DUBECK 5-15-37 L
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME RIB # 11 - NOSE - WING - AILERON
OPP. HAND 28W071-216
DWG. SIZE B 28W071-215
SULLIVAN-McKEEGAN CO., INC. BUFFALO
IMPERIAL TRACING CLOTH

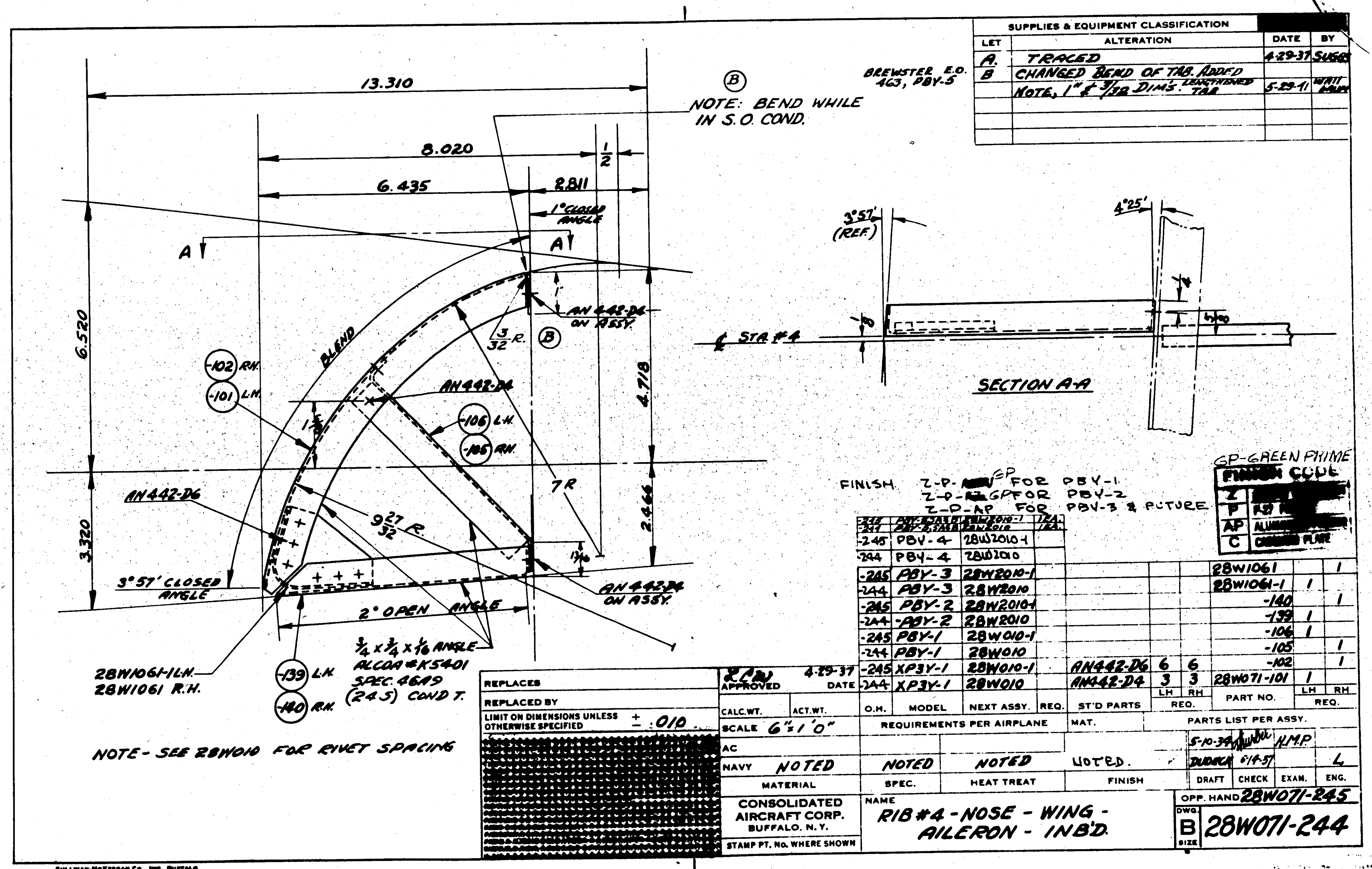

SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED | 5-4-37 | SUGGS
B | CHANGED BEND OF TAB. ADDED NOTE, 1" & 3/32 DIM'S. LENGTHENED TAB | 5-29-41
BREWSTER E.O. 463, PBY-5
15.670
12.433
7.590
1.879
1/2
1° OPEN ANGLE
NOTE: BEND WHILE IN S.O. COND.
-76 R.H.
-75 L.H.
4 EQUAL SPC'S.
BLEND
1"
3/32 R.
7 R
9.038
6.542
-78 R.H.
-77 L.H.
3/4 x 3/4 x 1/16 ANGLE ALCOA #K5401 SPEC. 46A9, 24S, COND. T.
AN442-D4
AN442-D4 ON ASSY.
1 5/8
NOTE - 4°25' CLOSED ANGLE ON TABS
5 EQUAL SPC'S
4.606
3.424
AN442-D6
13 15/16 R
13/16
5/16
3°57' OPEN ANGLE
1/2
1/4
5 EQUAL SPC'S.
2° CLOSED ANGLE
28W1061 L.H.
28W1061-1 R.H.
-121 L.H.
-122 R.H.
GP - GREEN PRIME
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
FINISH - Z-P-GP PBY-1
Z-P-GP PBY-2
Z-P-AP PBY-3 & FUTURE
-219 PBY-5A&B 28W2010-1 1EA
-218 PBY-5A&B 28W2010 1EA
-219 PBY-5 28W2010-1
-218 PBY-5 28W2010
-219 PBY-4 28W2010-1
-218 PBY-4 28W2010
-219 PBY-3 28W2010-1 28W1061-1 1
-218 PBY-3 28W2010 28W1061 1
-219 PBY-2 28W2010-1 -122 1
-218 PBY-2 28W2010 -121 1
-219 PBY-1 28W010-1 -78 1
-218 PBY-1 28W010 -77 1
-219 XP3Y-1 28W010-1 AN442-D6 6 6 -76 1
-218 XP3Y-1 28W010 AN442-D4 3 3 28W071-75 1
APPROVED 5-4-37 DATE
O.H. MODEL NEXT ASSY. REQ. STD PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
CALC. WT. ACT. WT.
SCALE 6" = 1'0"
MAT
NAVY NOTED NOTED NOTED NOTED
MATERIAL SPEC. HEAT TREAT FINISH
5-10-37 H.M.P.
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME RIB #12 - NOSE - WING - AILERON
OPP. HAND 28W071-219
DWG. B SIZE 28W071-218
SULLIVAN-McKEEGAN CO., INC. BUFFALO IMPERIAL TRACING CLOTH

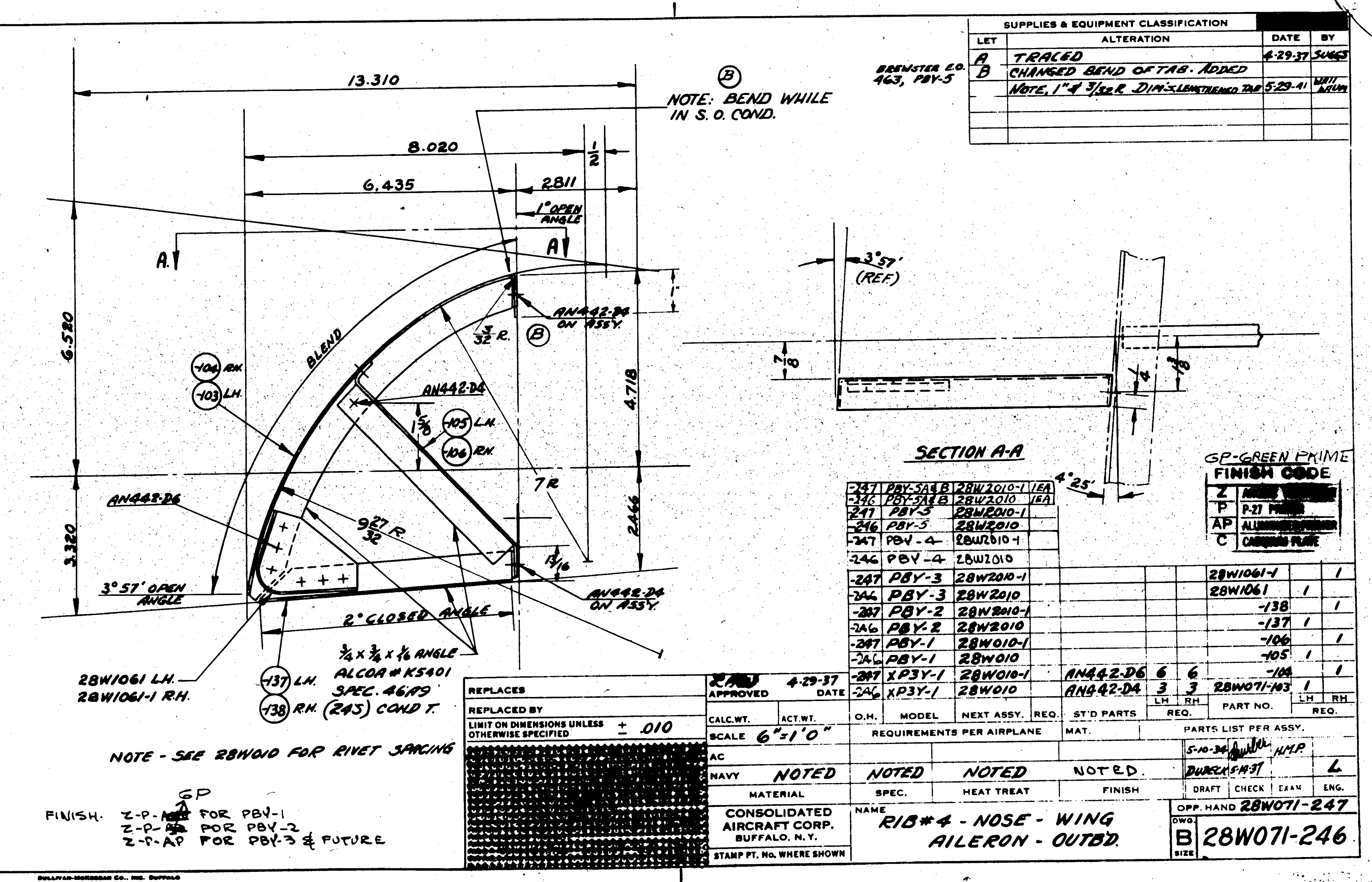


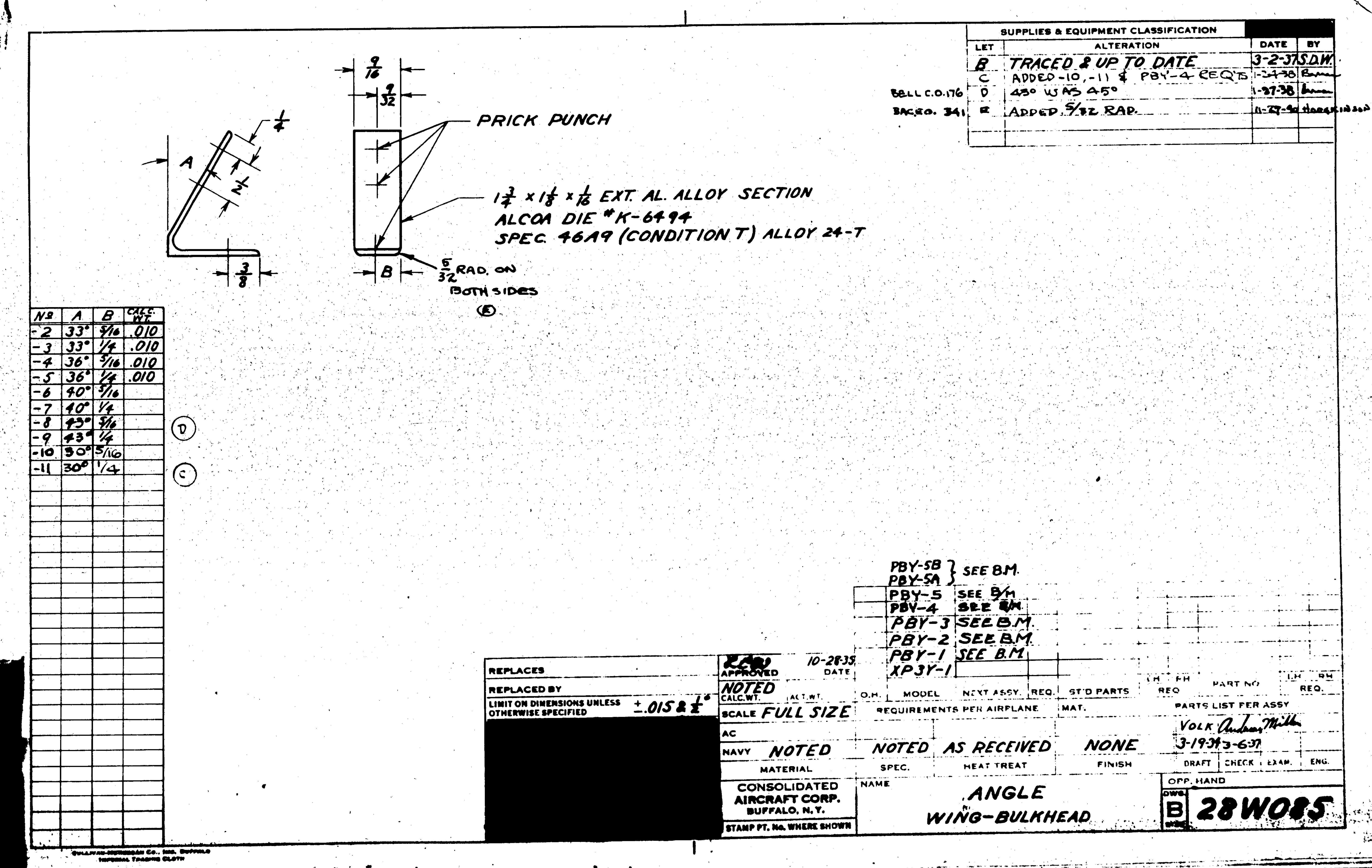
℄ SPAR (REF.)
12.578
3.393
7.749
.907
1/2
1° OPEN ANGLE
NOTE: BEND WHILE IN S.O. COND.
4 EQUAL SPC'S.
1/2
1"
3/32 R.
7 R
-80 R.H.
-79 L.H.
3/4 x 3/4 x 1/16 ANGLE
ALCOA #K5401
SPEC. 46A9
24S COND. T.
9.356
AN442-D4
6.772
AN442 D4
RIVET ON ASSY.
-82 R.H.
-81 L.H.
3/4 x 3/4 x 1/16 ANGLE
ALCOA # K5401
SPEC. 46A9
24S, COND. T.
5/8
NOTE - 4°25' CLOSED ANGLE ON TABS
BLEND
5 EQUAL SPCS.
AN442-D6
6 REQ'D.
14 15/32 R.
3.542
4.768
3°57" OPEN ANGLE
3/16
13/16
5 EQUAL SPACES
2° CLOSED ANGLE
1/4
1/2
28W1061 L.H.
28W1061-1 R.H.
-123 L.H.
-124 R.H.
3/4 x 3/4 x 1/16 ANGLE
ALCOA # K5401 SPEC. 46A9, 24S COND. T.
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED | 4-22-37 | SUGGS
BREWSTER E.O. 463, PBY-5 | B | CHANGED BEND OF TAB. ADDED NOTE, 1" & 3/32 DIMS. LENGTHENED TAB. | 6-29-41
GP. GREEN PRIME
FINISH CODE
[redacted]
FINISH Z-P-[redacted] GP FOR PBY-1
Z-P-[redacted] GP FOR PBY-2
Z-P-AP FOR PBY-3 & FUTURE
-222 PBY-SA B 28W2010-1 1EA
-221 PBY-SA B 28W2010 1EA
-222 PBY-5 28W2010-1
-221 PBY-5 28W2010
-222 PBY-4 28W2010-1
-221 PBY-4 28W2010
-222 PBY-3 28W2010-1 28W1061-1 1
-221 PBY-3 28W2010 28W1061 1
-222 PBY-2 28W2010-1 -124 1
-221 PBY-2 28W2010 -123 1
-222 PBY-1 28W010-1 -82 1
-221 PBY-1 28W010 -81 1
-222 XP3Y-1 28W010-1 AN442-D6 6 6 -80 1
-221 XP3Y-1 28W010 AN442-D4 3 3 28W071-79 1
D.H. MODEL NEXT ASSY. REQ. STD PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASSY.
APPROVED 4-22-37 DATE
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
CALC WT. ACT WT.
SCALE 6" = 1' 0"
AC
NAVY 24S, COND. T. 46A9 NOTED NOTED
MATERIAL SPEC. HEAT TREAT FINISH
5-10-34 H.M.P.
DUDECK 5-15-37 L.
DRAFT CHECK EXAM ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME RIB - NOSE - WING - AILERON #13
OPP. HAND 28W071-222
DWG. B SIZE 28W071-221
SULLIVAN-McKEEGAN CO., INC. BUFFALO IMPERIAL TRACING CLOTH


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED | 4-26-37 | SUGGS
B | CHANGED BEND OF TAB. ADDED NOTE, 1" & 3/32 DIM'S. LENGTHENED TAB | 5-29-41
BREWSTER E.O. 463, PBY-5
15.064
11.858
7.290
1.806
1/2
NOTE: BEND WHILE IN S.O. COND.
1° CLOSED ANGLE
A.
A
1"
3/32 R.
B
7 R
BLEND
8.398
6.071
28W1061-1 LH.
28W1061 RH.
AN442-D4 ON ASSY.
-90 RH.
-89 LH.
4°25'
1/4
1/8
℄ STA #10
1/8
AN442-D4
-93 RH.
-94 LH.
1 3/8
SECTION A-A
3°57' (REF.)
GP-GREEN PRIME
FINISH CO
Z [redacted]
P [redacted]
AP [redacted]
C [redacted]
12 7/8 R
.045
3.177
4.278
AN442-D6
AN442-D4 ON ASS'Y.
1/16
3°57' CLOSED ANGLE
3/4 x 3/4 x 1/16 ANGLE AL. ALLOY EXTR.
ALCOA # K5401 SPEC. 46A9 24S COND. T.
2° OPEN ANGLE
-131 L.H.
-132 R.H.
-235 PBY-5 28W2010-1 1EA
-234 PBY-5 28W2010 1EA
-235 PBY-4 28W2010-1
-234 PBY-4 28W2010
-235 PBY-3 28W2010-1 | 28W1061-1 | 1
-234 PBY-3 28W2010 | 28W1061 | 1
-235 PBY-2 28W2010-1 | -132 | 1
-234 PBY-2 28W2010 | -131 | 1
-235 PBY-1 28W010-1 | -94 | 1
-234 PBY-1 28W010 | -93 | 1
-235 XP3Y-1 28W010-1 | AN442-D6 6 6 | -90 | 1
-234 XP3Y-1 28W010 | AN442-D4 3 3 | 28W071-89 | 1
APPROVED 4-26-37 DATE
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
CALC. WT. | ACT. WT.
SCALE 6" = 1' 0"
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
AC
NAVY NOTED | NOTED | NOTED | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
5-10-37 | H.M.P.
DUBECK 5-14-37 | L
DRAFT | CHECK | EXAM. | ENG.
NOTE - SEE 28W010 FOR RIVET SPACING.
FINISH Z-P-GP FOR PBY-1
Z-P-GP FOR PBY-2
Z-P-AP FOR PBY3 & FUTURE
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME RIB # 10 - NOSE - WING - AILERON - IN'BD.
OPP. HAND 28W071-235 RH.
DWG. B SIZE 28W071-234
SULLIVAN-McKEEGAN CO., INC. BUFFALO
IMPERIAL TRACING CLOTH

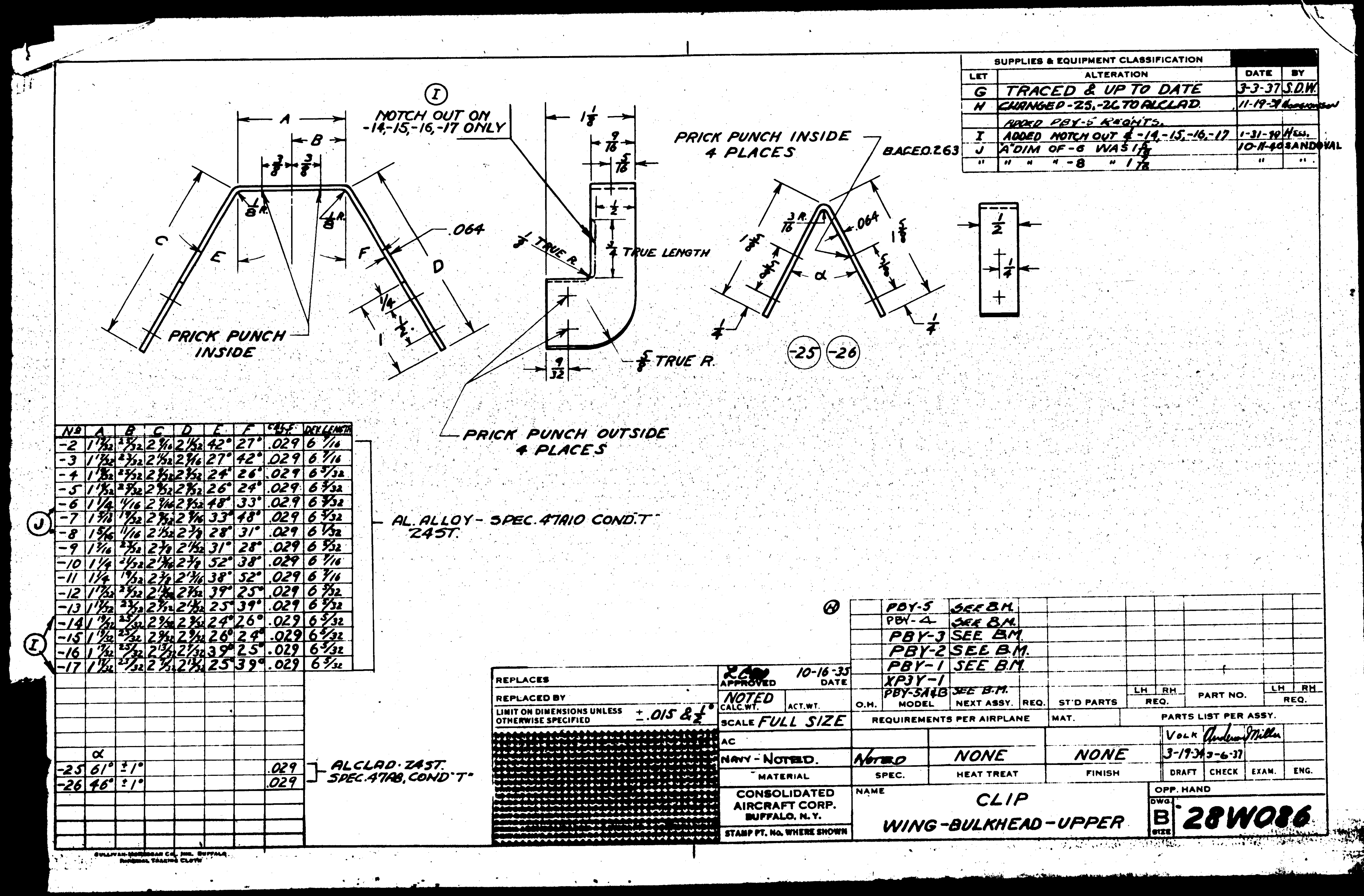

SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED | 4-26-37 | SUGGS
B | CHANGED BEND OF TAB. ADDED NOTE, 1" & 3/32 DIM'S LENGTHENED TAB | 5-29-41
BREWSTER E.O. 463, PBY-5
15.064
11.858
7.290
1.806
1/2
1° OPEN ANGLE
NOTE: BEND WHILE IN S.O. COND.
A
1"
3/32 R
AN442-D4 ON ASSY.
BLEND
8.398
6.071
AN442-D4
-93 L.H.
-94 R.H.
7 R
1 3/8
12 7/8 R
3.177
.045
AN442-D6
AN442-D4 ON ASSY.
13/16
3°57' OPEN ANGLE
3/4 x 3/4 x 1/16 AL. ALLOY EXTR. ALCOA # K5401
SPEC. 4699, 24S, COND. T.
2° CLOSED ANGLE
-129 L.H.
-130 R.H.
4.278
3°57' (REF.)
4°25'
℄ STA. #10
7/8
1.80
-91 L.H.
-92 R.H.
28W1061 L.H.
28W1061-1 R.H.
SECTION A-A
GP-GREEN PRIME
NISH
Z [redacted]
P [redacted]
AP [redacted]
C [redacted]
-237 | PBY-5 SMB | 28W2010-1 | 1EA
-236 | PBY-5 SMB | 28W2010 | 1EA
-237 | PBY-4 | 28W2010-1
-236 | PBY-4 | 28W2010
-237 | PBY-3 | 28W2010-1 | | | | | 28W1061-1 | | 1
-236 | PBY-3 | 28W2010 | | | | | 28W1061 | 1 |
-237 | PBY-2 | 28W2010-1 | | | | | -130 | | 1
-236 | PBY-2 | 28W2010 | | | | | -129 | 1 |
-237 | PBY-1 | 28W010-1 | | | | | -94 | | 1
-236 | PBY-1 | 28W010 | | | | | -93 | 1 |
-237 | XPBY-1 | 28W010-1 | | AN442-D6 | 6 | 6 | -92 | | 1
-236 | XPBY-1 | 28W010 | | AN442-D4 | 3 | 3 | 28W071-91 | 1 |
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | REQ. LH | REQ. RH | PART NO. | REQ. LH | REQ. RH
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
[redacted]
APPROVED
DATE 4-26-37
CALC. WT.
ACT. WT.
SCALE 6" = 1' 0"
AC
NAVY NOTED
MATERIAL
NOTED
SPEC.
NOTED
HEAT TREAT
NOTED
FINISH
5-10-34
H.M.P.
DUDECK 5-14-37
4
DRAFT | CHECK | EXAM. | ENG
OPP. HAND 28W071-237
NOTE - SEE 28W010 FOR RIVET SPACING
FINISH- Z-P-[redacted]SP FOR PBY-1
Z-P-[redacted]GP FOR PBY-2
Z-P-AP FOR PBY-3 & FUTURE
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
RIB #10 - NOSE - WING - AILERON - OUT'BD.
DWG. SIZE B
28W071-236
SULLIVAN-McKEEGAN CO., INC. BUFFALO
IMPERIAL TRACING CLOTH


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A. TRACED 4-29-37 SUGG
B CHANGED BEND OF TAB. ADDED NOTE, 1" & 3/32 DIMS. LENGTHENED TAB 5-29-41
BREWSTER E.O. 463, PBY-5
NOTE: BEND WHILE IN S.O. COND.
13.310
8.020
1/2
6.435
2.811
1° CLOSED ANGLE
A
A
6.520
3.320
4.718
2.466
1"
AN 442-D6 ON ASSY.
3/32 R.
B
BLEND
-102 RH.
-101 L.H.
AN442-D4
-106 L.H.
-105 RH.
7R
AN 442-D6
9 27/32 R.
3° 57' CLOSED ANGLE
2° OPEN ANGLE
AN 442-D4 ON ASSY.
3/4 x 3/4 x 1/16 ANGLE ALCOA #K5401 SPEC. 4619 (24 S) COND T.
28W1061-1 L.H.
28W1061 R.H.
-139 L.H.
-140 R.H.
NOTE - SEE 28W010 FOR RIVET SPACING
3° 57' (REF.)
4° 25'
STA #4
SECTION A-A
GP-GREEN PRIME
[redacted]
FINISH Z-P-GP FOR PBY-1
Z-P-GP FOR PBY-2
Z-P-AP FOR PBY-3 & FUTURE
Z [redacted]
P [redacted]
AP [redacted]
C [redacted]
-245 PBY-4 28W2010-1
-244 PBY-4 28W2010
-245 PBY-3 28W2010-1
-244 PBY-3 28W2010
-245 PBY-2 28W2010-1
-244 PBY-2 28W2010
-245 PBY-1 28W010-1
-244 PBY-1 28W010
-245 XP3Y-1 28W010-1
-244 XP3Y-1 28W010
O.H. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
AN442-D6 6 6
AN442-D4 3 3
ST'D PARTS | REQ. LH RH
28W1061 1
28W1061-1 1
-140 1
-139 1
-106 1
-105 1
-102 1
28W071-101 1
PART NO. | REQ. LH RH
PARTS LIST PER ASSY.
MAT.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
APPROVED 4-29-37 DATE
CALC.WT. ACT.WT.
SCALE 6" = 1'0"
AC
NAVY NOTED NOTED NOTED NOTED.
MATERIAL SPEC. HEAT TREAT FINISH
5-10-39 H.M.P.
DUDECK 6/14-37
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME RIB #4 - NOSE - WING - AILERON - INB'D.
OPP. HAND 28W071-245
DWG. B SIZE 28W071-244
SULLIVAN-McKEEGAN CO., INC. BUFFALO
IMPERIAL TRACING CLOTH


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED | 4-29-37 | SUGGS
B | CHANGED BEND OF TAB. ADDED NOTE, 1" & 3/32 R DIM'S LENGTHENED TAB | 5-29-41
BREWSTER E.O. 463, PBY-5
13.310
NOTE: BEND WHILE IN S. O. COND.
8.020
1/2
6.435
2811
1° OPEN ANGLE
A
1"
AN442-D4 ON ASSY.
3/32 R.
B
6.580
BLEND
-104 RH.
-103 LH.
AN442-D4
1 5/8
-105 LH.
-106 RH.
4.718
7R
AN442-D6
9 27/32 R.
2.466
13/16
3.320
3° 57' OPEN ANGLE
2° CLOSED ANGLE
AN442-D4 ON ASSY.
3/4 x 3/4 x 1/16 ANGLE
ALCOA # K5401
SPEC. 46A9
(24S) COND T.
28W1061 LH.
28W1061-1 R.H.
-137 LH.
-138 R.H.
NOTE - SEE 28W010 FOR RIVET SPACING
FINISH. Z-P-GP FOR PBY-1
Z-P-AP FOR PBY-2
Z-P-AP FOR PBY-3 & FUTURE
3° 57' (REF.)
7/8
1/4
1/8
SECTION A-A
4° 25'
GP-GREEN PRIME
FINISH CODE
Z [redacted]
P P-27 [redacted]
AP [redacted]
C [redacted]
-247 PBY-5A & B 28W2010-1 1EA
-246 PBY-5A & B 28W2010 1EA
-247 PBY-5 28W2010-1
-246 PBY-5 28W2010
-247 PBY-4 28W2010-1
-246 PBY-4 28W2010
-247 PBY-3 28W2010-1 | 28W1061-1 | 1
-246 PBY-3 28W2010 | 28W1061 | 1
-247 PBY-2 28W2010-1 | -138 | 1
-246 PBY-2 28W2010 | -137 | 1
-247 PBY-1 28W010-1 | -106 | 1
-246 PBY-1 28W010 | -105 | 1
-247 XP3Y-1 28W010-1 | AN442-D6 6 6 | -104 | 1
-246 XP3Y-1 28W010 | AN442-D4 3 3 | 28W071-103 | 1
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
APPROVED 4-29-37 DATE
CALC.WT. ACT.WT.
SCALE 6"=1'0"
AC
NAVY NOTED NOTED NOTED NOTED.
MATERIAL SPEC. HEAT TREAT FINISH
5-10-34 H.M.P.
DUBECK 5-14-37 L
DRAFT CHECK EXAM. ENG.
OPP. HAND 28W071-247
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME RIB #4 - NOSE - WING AILERON - OUTBD.
DWG. B SIZE 28W071-246
SULLIVAN-MCKEEGAN CO., INC. BUFFALO IMPERIAL TRACING CLOTH

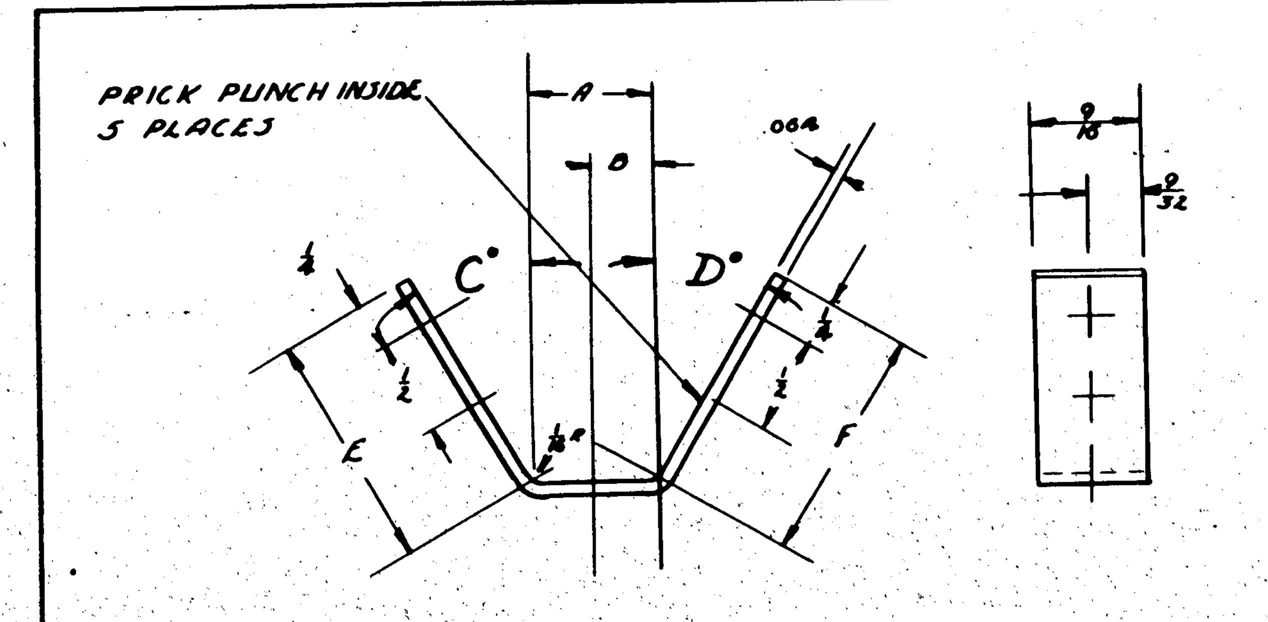


No.	A	B	CALC. WT.
-2	33°	5/16	.010
-3	33°	1/4	.010
-4	36°	5/16	.010
-5	36°	1/4	.010
-6	40°	5/16	
-7	40°	1/4	
-8	43°	5/16	
-9	43°	1/4	
-10	30°	5/16	
-11	30°	1/4	



No	A	B	C	D	E	F	GAGE	DEV. LENGTH
-2	1 17/32	25/32	2 9/16	2 11/32	42°	27°	.029	6 7/16
-3	1 17/32	23/32	2 11/32	2 9/16	27°	42°	.029	6 7/16
-4	1 19/32	25/32	2 9/32	2 9/32	24°	26°	.029	6 5/32
-5	1 19/32	25/32	2 9/32	2 9/32	26°	24°	.029	6 5/32
-6	1 1/4	11/16	2 9/16	2 9/32	48°	33°	.029	6 9/32
-7	1 3/16	19/32	2 9/32	2 9/16	33°	48°	.029	6 5/32
-8	1 5/16	11/16	2 11/32	2 3/8	28°	31°	.029	6 1/32
-9	1 3/16	23/32	2 3/8	2 11/32	31°	28°	.029	6 5/32
-10	1 1/4	21/32	2 13/16	2 3/8	52°	38°	.029	6 7/16
-11	1 1/4	19/32	2 3/8	2 13/16	38°	52°	.029	6 7/16
-12	1 17/32	23/32	2 13/32	2 7/32	39°	25°	.029	6 5/32
-13	1 17/32	23/32	2 7/32	2 13/32	25°	39°	.029	6 5/32
-14	1 19/32	25/32	2 9/32	2 9/32	24°	26°	.029	6 5/32
-15	1 19/32	25/32	2 9/32	2 9/32	26°	24°	.029	6 5/32
-16	1 17/32	23/32	2 13/32	2 7/32	39°	25°	.029	6 5/32
-17	1 17/32	23/32	2 7/32	2 13/32	25°	39°	.029	6 5/32

	α		GAGE
-25	61°	±1°	.029
-26	46°	±1°	.029



NO	A	B	C	D	E	F	CALC WT
-2	29/64	3/16	32°	23°	1 19/64	1 3/8	.012
-3	11/16	9/32	37°	26°	1 1/4	1 3/16	.012
-4	7/16	1/4	35°	25°	1 5/16	1 5/16	.012
-5	3/4	5/16	40°	29°	1 3/16	1 7/16	.012
-6	25/32	11/32	43°	32°	1 3/16	1 5/32	.012
-7	21/64	5/32	32°	23°	1 19/64	1 3/8	.01
-8	7/16		27°	27°	1 1/4	1 1/4	.011

DEV. LGTH. 3 1/8

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
D	TRACED	4-16-36	R.M.

MODEL	NEXT ASSY.	REQ.
PBY-5	SEE MATL.	
PBY-4	LIST	
PBY-3		
PBY-2		
PBY-1	SEE MATL. LIST	
XP3Y-1		
PBY-5A & B	SEE BM	

ST'D PARTS — REQ. LH RH — PART NO. — REQ. LH RH

REPLACES

REPLACED BY

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .015 ± 1/2°

[redacted]

APPROVED: LCW — DATE: 4-16-37

CALC.WT.: Noted — ACT.WT. — O.H.

SCALE 12" = 1'0"

REQUIREMENTS PER AIRPLANE — MAT. — PARTS LIST PER ASSY.

AC

NAVY AL ALLOY SH — SPEC.: STAND COND "T" ALLOY 24A — HEAT TREAT: SR 53 — FINISH: NONE

MATERIAL — SPEC. — HEAT TREAT — FINISH

DRAFT: VOLK 3-19-36 — CHECK: 5-20-37 — EXAM. — ENG.

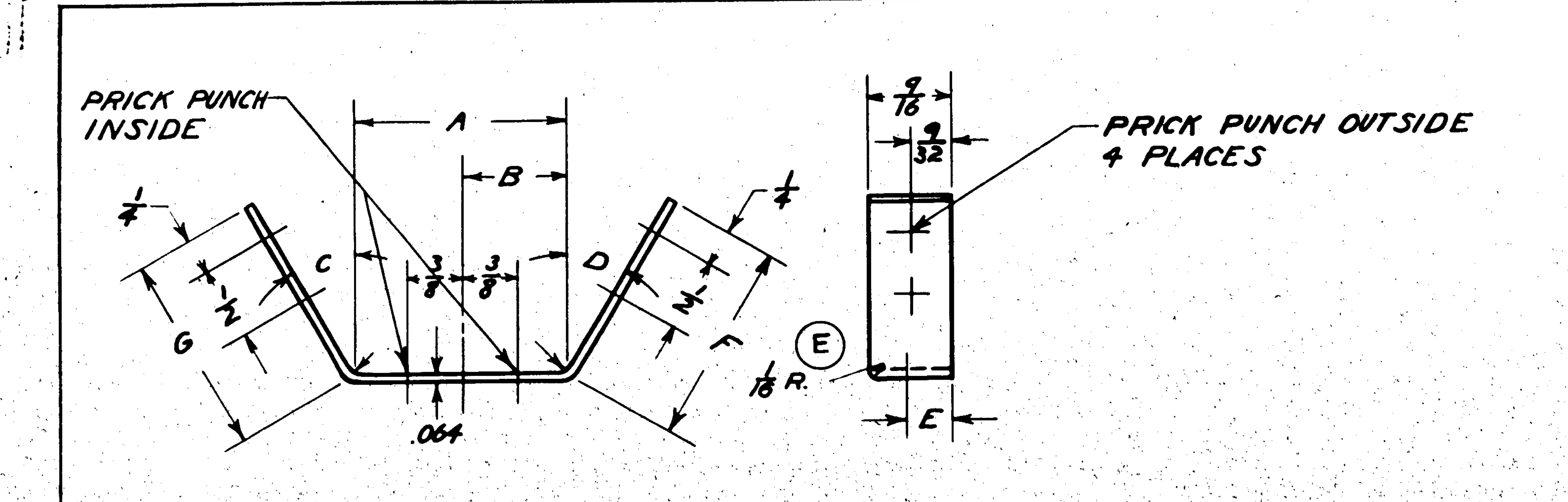
OPP. HAND NOTED

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

STAMP PT. No. WHERE SHOWN

NAME CLIP
WING BULKHEAD-LOWER WEB

DWG. SIZE B — 28W087



SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
B	TRACED UP TO DATE	3-3-37	S.D.W.
C	MAT'L WAS 24SO	6/3/40	ZEIGLER
E	1/16 R. ADDED	10-11-40	SANDOVAL
F	ADDED PBY-5 REQ.	10-17-40	Hodgkinson

B.A.C.E.O. 112

DEV. LENGTH – 4 1/4

Nº	A	B	C	D	E	F	G	CALC. WT.
-2	1 5/8	27/32	32°	23°	5/16	1 9/32	1 11/32	.016
-3	1 5/8	25/32	23°	32°	1/4	1 11/32	1 9/32	.016
-4	1 19/32	13/16	35°	25°	5/16	1 5/16	1 11/32	.016
-5	1 19/32	25/32	25°	35°	1/4	1 11/32	1 5/16	.016
-6	1 13/32	3/4	39°	28°	5/16	1 3/8	1 15/32	
-7	1 13/32	21/32	28°	39°	1/4	1 15/32	1 3/8	
-8	1 3/8	23/32	43°	32°	5/16	1 13/32	1 19/32	
-9	1 3/8	21/32	32°	43°	1/4	1 15/32	1 13/32	

MODEL	NEXT ASSY.	REQ.
PBY-5	SEE B.M.	
PBY-4	SEE B.M.	
PBY-3	SEE B.M.	
PBY-2	SEE B.M.	
PBY-1	SEE B.M.	
XP3Y-1		
PBY-5A & B	SEE B.M.	

O.H. — REQUIREMENTS PER AIRPLANE

ST'D PARTS — LH RH REQ. — PART NO. — LH RH REQ. — MAT. — PARTS LIST PER ASSY.

REPLACES

REPLACED BY

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .015 & 1/2°

APPROVED 10-28-35 DATE

NOTED CALC. WT. — ACT. WT.

SCALE FULL SIZE

AC

NAVY AL. ALLOY SH. — 47A10 COND T ALLOY 24ST — NONE — NONE

MATERIAL — SPEC. — HEAT TREAT — FINISH

VOLK — 3-19-34 — 3-5-37

DRAFT — CHECK — EXAM — ENG.

[redacted]

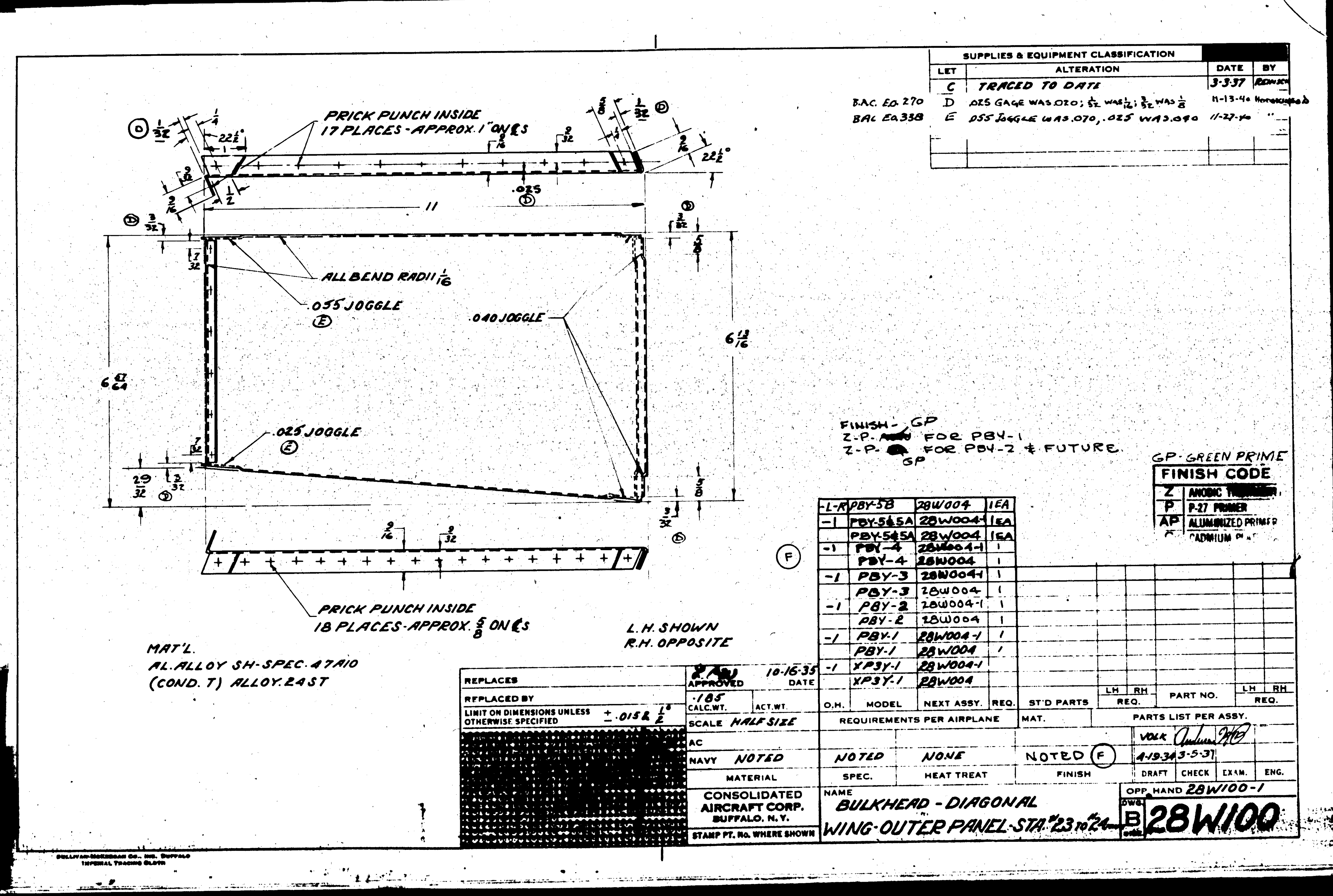
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N. Y.

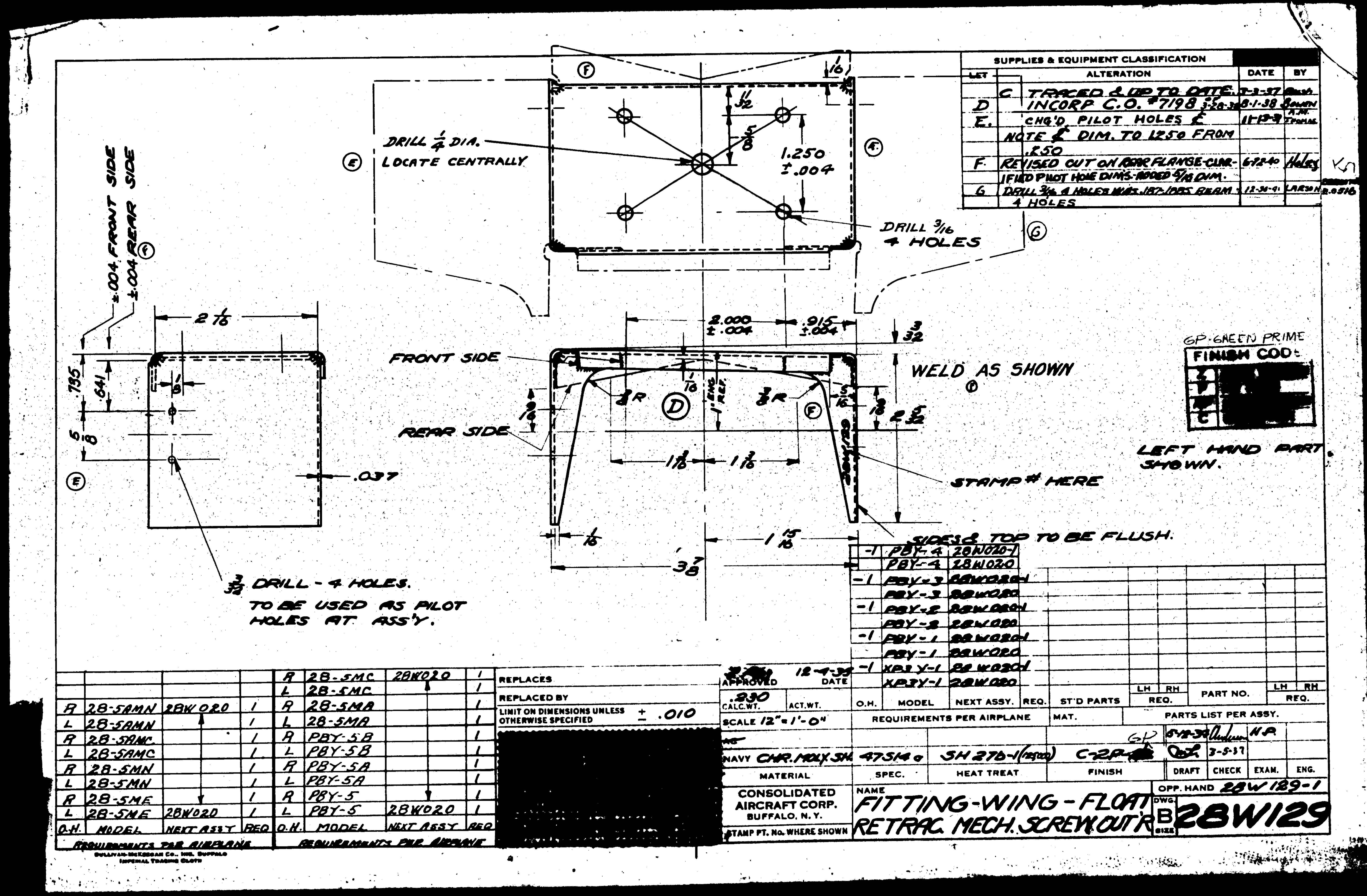
STAMP PT. No. WHERE SHOWN

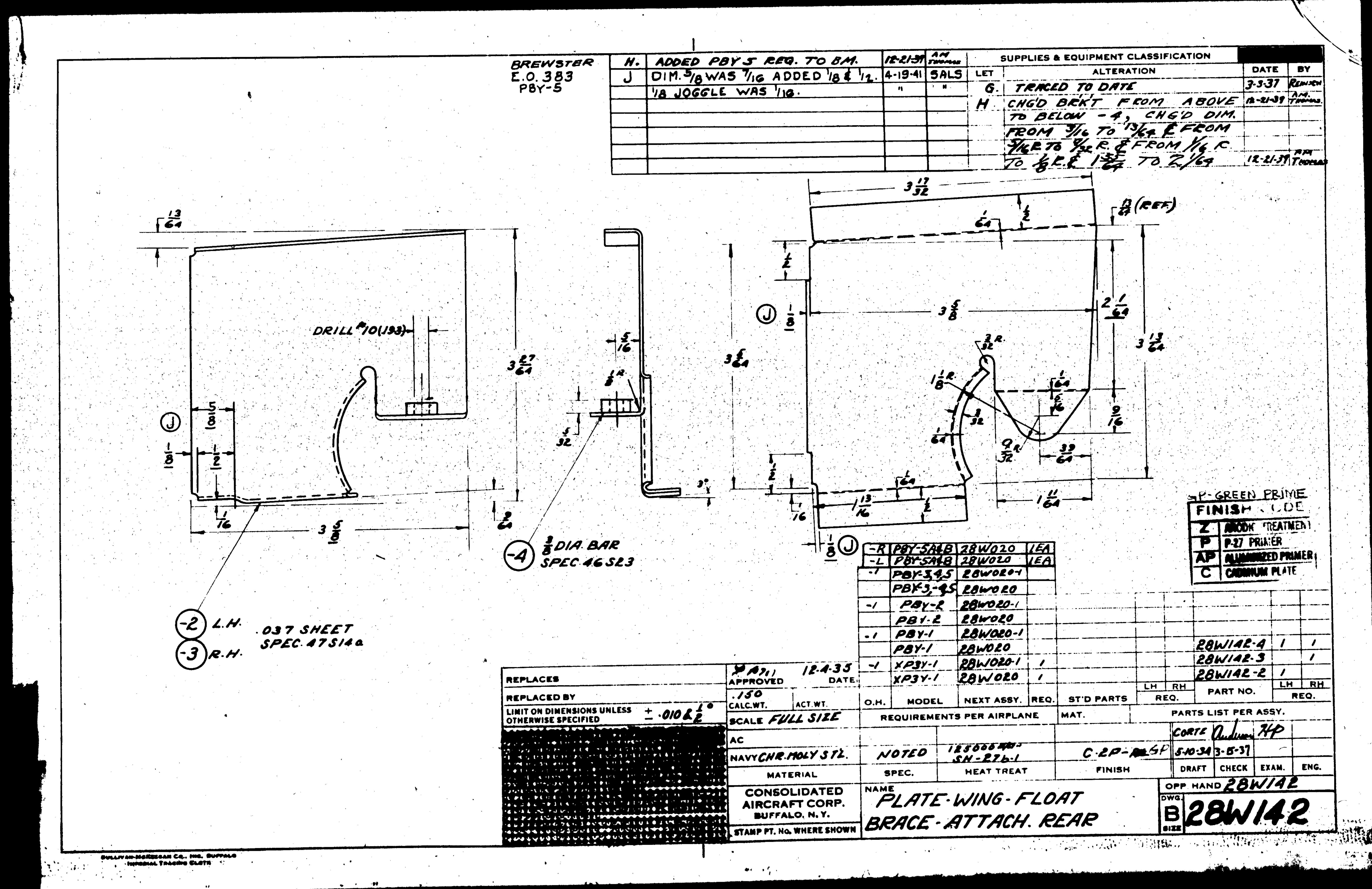
NAME: CLIP WING-BULKHEAD-LOWER

OPP. HAND

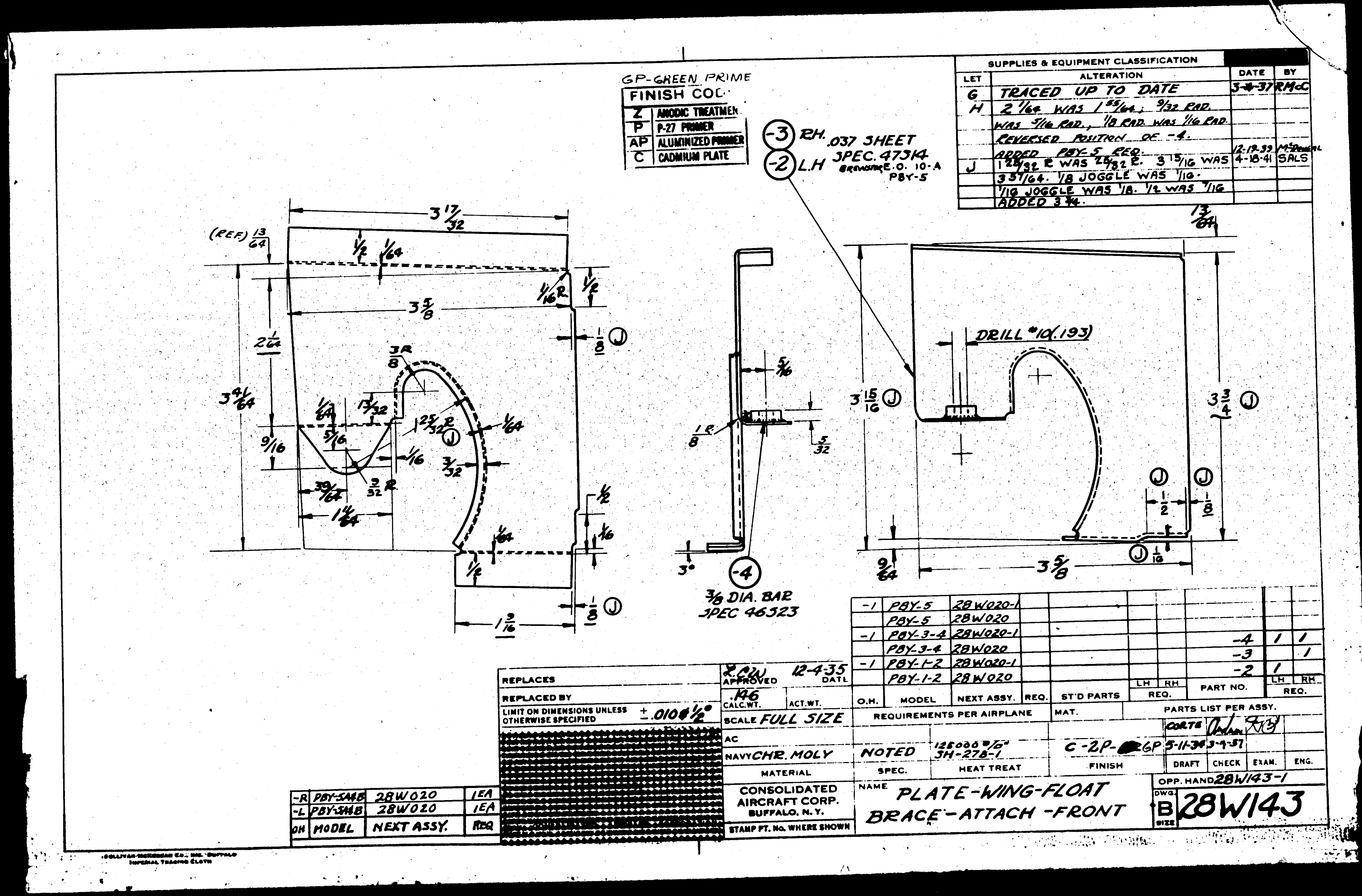
DWG. SIZE B — 28W088


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C | TRACED TO DATE | 3-3-37
B.A.C. EO. 270 | D | .025 GAGE WAS .020; 1/32 WAS 1/16; 3/32 WAS 1/8 | 11-13-40
BAC EO 338 | E | .055 JOGGLE WAS .070, .025 WAS .040 | 11-27-40
PRICK PUNCH INSIDE
17 PLACES - APPROX. 1" ON ℄S
22 1/2°
ALL BEND RADII 1/16
.055 JOGGLE
.040 JOGGLE
.025 JOGGLE
6 13/16
6 47/64
11
PRICK PUNCH INSIDE
18 PLACES - APPROX. 5/8 ON ℄S
MAT'L.
AL. ALLOY SH-SPEC. 47A10
(COND. T) ALLOY 24ST
L.H. SHOWN
R.H. OPPOSITE
FINISH - GP
Z-P- FOR PBY-1
Z-P- FOR PBY-2 & FUTURE
GP
GP - GREEN PRIME
FINISH CODE
Z ANODIC
P P-27 PRIMER
AP ALUMINIZED PRIMER
CADMIUM
-L-R PBY-5B 28W004 1EA
-1 PBY-5&5A 28W004-1 1EA
PBY-5&5A 28W004 1EA
-1 PBY-4 28W004-1 1
PBY-4 28W004 1
-1 PBY-3 28W004-1 1
PBY-3 28W004 1
-1 PBY-2 28W004-1 1
PBY-2 28W004 1
-1 PBY-1 28W004-1 1
PBY-1 28W004 1
-1 XP3Y-1 28W004-1
XP3Y-1 28W004
O.H. MODEL NEXT ASSY. REQ.
REQUIREMENTS PER AIRPLANE
ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .015 & 1/2°
APPROVED 10-16-35 DATE
.185 CALC. WT. ACT. WT.
SCALE HALF SIZE
AC
NAVY NOTED
MATERIAL
NOTED | NONE | NOTED
SPEC. | HEAT TREAT | FINISH
VOLK
4-19-34 3-5-37
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. NO. WHERE SHOWN
NAME
BULKHEAD - DIAGONAL
WING - OUTER PANEL - STA. #23 TO #24
OPP. HAND 28W100-1
DWG. B 28W100
SULLIVAN-McKEEGAN CO., INC. BUFFALO
IMPERIAL TRACING CLOTH

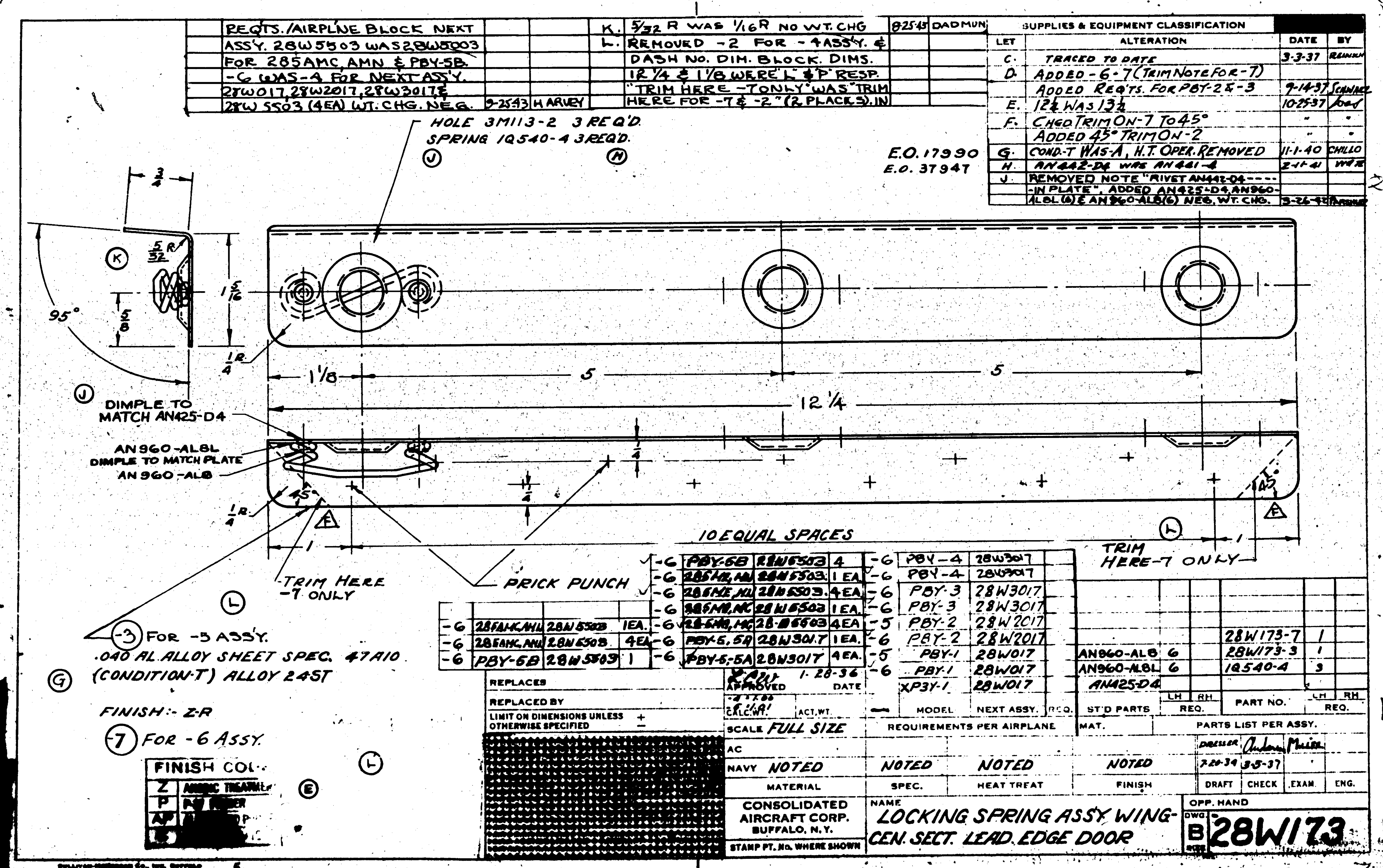

SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C | TRACED & UP TO DATE. | 3-3-37
D | INCORP C.O. #7198 | 8-1-38
E. | CHG'D. PILOT HOLES & NOTE & DIM. TO 1.250 FROM .250 | 11-19-3
F. | REVISED CUT ON REAR FLANGE-CLAR-IFIED PILOT HOLE DIMS-ADDED 5/16 DIM. | 6-72-40
G | DRILL 3/16 4 HOLES WAS .187-.1885 REAM 4 HOLES | 12-30-41 | LARSON
DRILL 1/4 DIA. LOCATE CENTRALLY
1.250 ±.004
DRILL 3/16 4 HOLES
±.004 FRONT SIDE
±.004 REAR SIDE
2 1/16
.735
.641
.037
3/32 DRILL - 4 HOLES.
TO BE USED AS PILOT HOLES AT ASS'Y.
2.000 ±.004
.915 ±.004
FRONT SIDE
REAR SIDE
WELD AS SHOWN
STAMP # HERE
SIDES & TOP TO BE FLUSH.
1 15/16
3 7/8
2 5/32
1 3/16
1 3/16
LEFT HAND PART SHOWN.
GP-GREEN PRIME
FINISH CODE
[redacted]
-1 PBY-4 28W020-1
PBY-4 28W020
-1 PBY-3 28W020-1
PBY-3 28W020
-1 PBY-2 28W020-1
PBY-2 28W020
-1 PBY-1 28W020-1
PBY-1 28W020
-1 XP3Y-1 28W020-1
XP3Y-1 28W020
R 28-5AMN 28W020 1
L 28-5AMN 1
R 28-5AMC 1
L 28-5AMC 1
R 28-5MN 1
L 28-5MN 1
R 28-5ME 1
L 28-5ME 28W020 1
O.H. MODEL NEXT ASS'Y REQ
R 28-5MC 28W020 1
L 28-5MC 1
R 28-5MA 1
L 28-5MA 1
R PBY-5B 1
L PBY-5B 1
R PBY-5A 1
L PBY-5A 1
R PBY-5 1
L PBY-5 28W020 1
O.H. MODEL NEXT ASSY REQ
REQUIREMENTS PER AIRPLANE
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
[redacted]
APPROVED 12-4-34 DATE
.230 CALC.WT. ACT.WT.
SCALE 12" = 1'-0"
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
NAVY CHR. MOLY SH. 47S14a SH 27b-1 C-2P GP 3-5-37
MATERIAL SPEC. HEAT TREAT FINISH DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME FITTING-WING-FLOAT RETRAC. MECH. SCREW OUT R
OPP. HAND 28W129-1
DWG. B SIZE 28W129
SULLIVAN-McKEEGAN CO., INC. BUFFALO IMPERIAL TRACING CLOTH



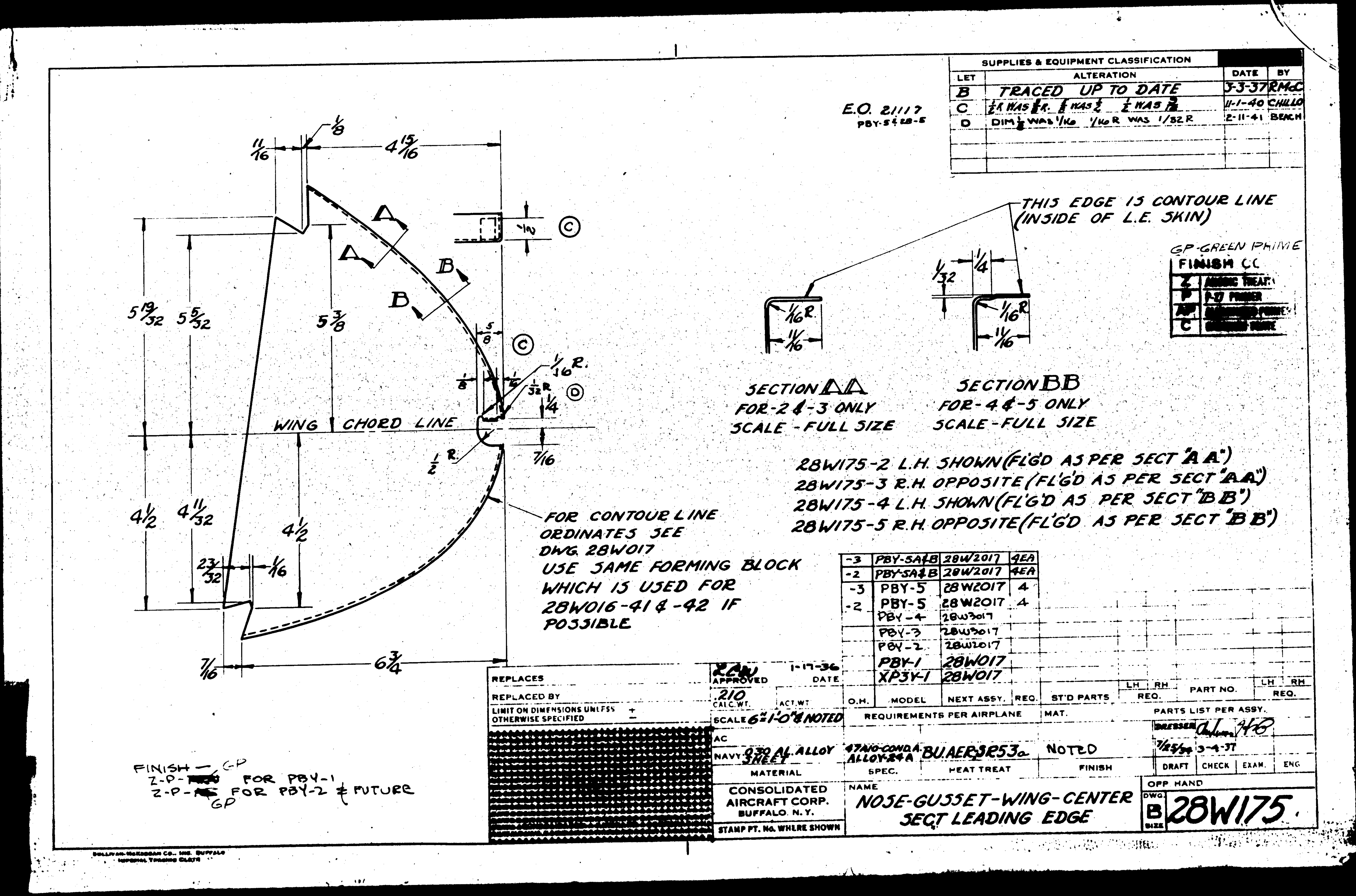
BREWSTER
E.O. 383
PBY-5
H. ADDED PBY 5 REQ. TO BM. 12-21-39
J DIM. 5/8 WAS 7/16 ADDED 1/8 & 1/2. 4-19-41 SALS
1/8 JOGGLE WAS 1/16.
SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
G. TRACED TO DATE 3-3-37
H. CHG'D BRKT FROM ABOVE TO BELOW -4, CHG'D DIM. FROM 3/16 TO 13/64 & FROM 5/16 R TO 9/32 R. & FROM 1/16 R. TO 1/8 R. & 1 35/64 TO 2 1/64 12-21-39
DRILL #10(.193)
3 17/32
13/64 (REF)
3 5/8
2 1/64
3 13/64
3 27/64
3 5/64
1 11/64
1 13/16
9/16
39/64
-2 L.H. .037 SHEET SPEC. 47S14a
-3 R.H.
-4 3/8 DIA. BAR SPEC. 46S23
G.P.-GREEN PRIME
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
-R PBY-5A&B 28W020 1EA
-L PBY-5A&B 28W020 1EA
-1 PBY-3,4,5 28W020-1
PBY-3,4,5 28W020
-1 PBY-2 28W020-1
PBY-2 28W020
-1 PBY-1 28W020-1
PBY-1 28W020
-1 XP3Y-1 28W020-1 1
XP3Y-1 28W020 1
28W142-4 1 1
28W142-3 1
28W142-2 1
O.H.
MODEL
NEXT ASSY.
REQ.
ST'D PARTS
LH RH REQ.
PART NO.
LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
APPROVED 12-4-35 DATE
.150 CALC. WT.
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010 & 1/2°
SCALE FULL SIZE
AC
NAVY CHR. MOLY STL.
NOTED
125000 SH-27b-1
C-2P-GP
CORTE
5-10-34 3-5-37
DRAFT CHECK EXAM. ENG.
MATERIAL
SPEC.
HEAT TREAT
FINISH
OPP HAND 28W142
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
NAME PLATE-WING-FLOAT BRACE-ATTACH. REAR
DWG. B SIZE 28W142
STAMP PT. No. WHERE SHOWN
SULLIVAN-McKEEGAN CO., INC. BUFFALO
IMPERIAL TRACING CLOTH



GP-GREEN PRIME
FINISH COD
Z ANODIC TREATMEN
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
G TRACED UP TO DATE 3-37 RMcC
H 2 1/64 WAS 1 55/64; 9/32 RAD. WAS 5/16 RAD., 1/8 RAD. WAS 1/16 RAD. REVERSED POSITION OF -4. ADDED PBY-5 REQ. 12-19-39
J 1 25/32 R WAS 25/32 R. 3 15/16 WAS 3 57/64. 1/8 JOGGLE WAS 1/16. 1/16 JOGGLE WAS 1/8. 1/2 WAS 9/16 ADDED 3 3/4. 4-18-41 SALS
-3 RH. .037 SHEET SPEC. 47314
-2 L.H BREWSTER E.O. 10-A PBY-5
DRILL #10(.193)
3/8 DIA. BAR SPEC 46523
-4
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010 ± 1/2°
APPROVED 12-4-35 DATE
CALC.WT. .146 ACT.WT.
SCALE FULL SIZE
NAVY CHR. MOLY
MATERIAL
NOTED SPEC.
125000 #/□" 3H-278-1 HEAT TREAT
C-2P-GP FINISH
DRAFT 5-11-34 CHECK 3-9-37 EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME PLATE-WING-FLOAT BRACE-ATTACH-FRONT
OPP. HAND 28W143-1
DWG. B SIZE 28W143
-R PBY-5A&B 28W020 1EA
-L PBY-5A&B 28W020 1EA
OH MODEL NEXT ASSY. REQ
-1 PBY-5 28W020-1
PBY-5 28W020
-1 PBY-3-4 28W020-1
PBY-3-4 28W020
-1 PBY-1-2 28W020-1
PBY-1-2 28W020
O.H. MODEL NEXT ASSY. REQ. STD PARTS LH RH REQ. PART NO. LH RH REQ.
-4 1 1
-3 1
-2 1
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
SULLIVAN-McKEEGAN CO., INC. BUFFALO IMPERIAL TRACING CLOTH



REQTS./AIRPL'NE BLOCK NEXT ASSY. 28W5503 WAS 28W5003 FOR 285AMC, AMN & PBY-5B. -6 WAS -4 FOR NEXT ASS'Y. 28W017, 28W2017, 28W3017 & 28W5503 (4EA) WT. CHG. NEG. 9-25-43 HARVEY
K. 5/32 R WAS 1/16 R NO WT. CHG 8-25-43 DADMUN
L. REMOVED -2 FOR -4 ASS'Y. & DASH No. DIM. BLOCK. DIMS. 12 1/4 & 1 1/8 WERE "L" & "P" RESP. "TRIM HERE -7 ONLY" WAS "TRIM HERE FOR -7 & -2" (2 PLACES). IN
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C. TRACED TO DATE 3-3-37
D. ADDED -6 -7 (TRIM NOTE FOR -7) ADDED REQ'TS. FOR PBY-2 & -3 9-14-37
E. 12 1/4 WAS 13 1/2 10-25-37
F. CHGD TRIM ON -7 TO 45° ADDED 45° TRIM ON -2
G. COND.-T WAS -A, H.T. OPER. REMOVED 11-1-40 CHILLO
H. AN442-D4 WAS AN441-4 2-1-41
J. REMOVED NOTE "RIVET AN442-D4 --- -IN PLATE", ADDED AN425-D4, AN960-ALBL(6) & AN960-ALB(6) NEG. WT. CHG. 3-26-42
E.O. 17990
E.O. 37947
HOLE 3M113-2 3 REQ'D.
SPRING 1Q540-4 3 REQ'D.
DIMPLE TO MATCH AN425-D4
AN960-ALBL DIMPLE TO MATCH PLATE
AN960-ALB
95°
5/32 R
1 5/16
5/8
3/4
1/4 R.
1 1/8
5
12 1/4
1/4
45°
10 EQUAL SPACES
PRICK PUNCH
TRIM HERE -7 ONLY
TRIM HERE -7 ONLY
-3 FOR -5 ASS'Y.
.040 AL. ALLOY SHEET SPEC. 47A10 (CONDITION-T) ALLOY 24ST
FINISH:- Z-R
-7 FOR -6 ASSY.
FINISH CO...
Z ANODIC TREATMENT
P ... PRIMER
-6 | 28FAMC, AML | 28W5503 | 1 EA.
-6 | 28FAMC, AML | 28W5503 | 4 EA.
-6 | PBY-5B | 28W5503 | 1
-6 | PBY-5B | 28W5503 | 4
-6 | 285MC, AM | 28W5503 | 1 EA.
-6 | 285MC, AM | 28W5503 | 4 EA.
-6 | 285MC, MC | 28W5503 | 1 EA.
-6 | 285MC, MC | 28W5503 | 4 EA.
-6 | PBY-5, 5A | 28W3017 | 1 EA.
-6 | PBY-5, 5A | 28W3017 | 4 EA.
-6 | PBY-4 | 28W3017
-6 | PBY-4 | 28W3017
-6 | PBY-3 | 28W3017
-6 | PBY-3 | 28W3017
-5 | PBY-2 | 28W2017
-6 | PBY-2 | 28W2017
-5 | PBY-1 | 28W017
-6 | PBY-1 | 28W017
XP3Y-1 | 28W017
AN960-ALB | 6
AN960-ALBL | 6
AN425-D4
28W173-7 | 1
28W173-3 | 1
1Q540-4 | 3
APPROVED 1-28-36 DATE
CALC.WT. ACT.WT.
MODEL | NEXT ASSY. | REQ. | STD PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED +
SCALE FULL SIZE
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
AC
NAVY NOTED | NOTED | NOTED | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
DRESSER 7-20-34 3-5-37
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME LOCKING SPRING ASSY. WING-CEN. SECT. LEAD. EDGE DOOR
OPP. HAND
DWG. No. B SIZE 28W173
28W173

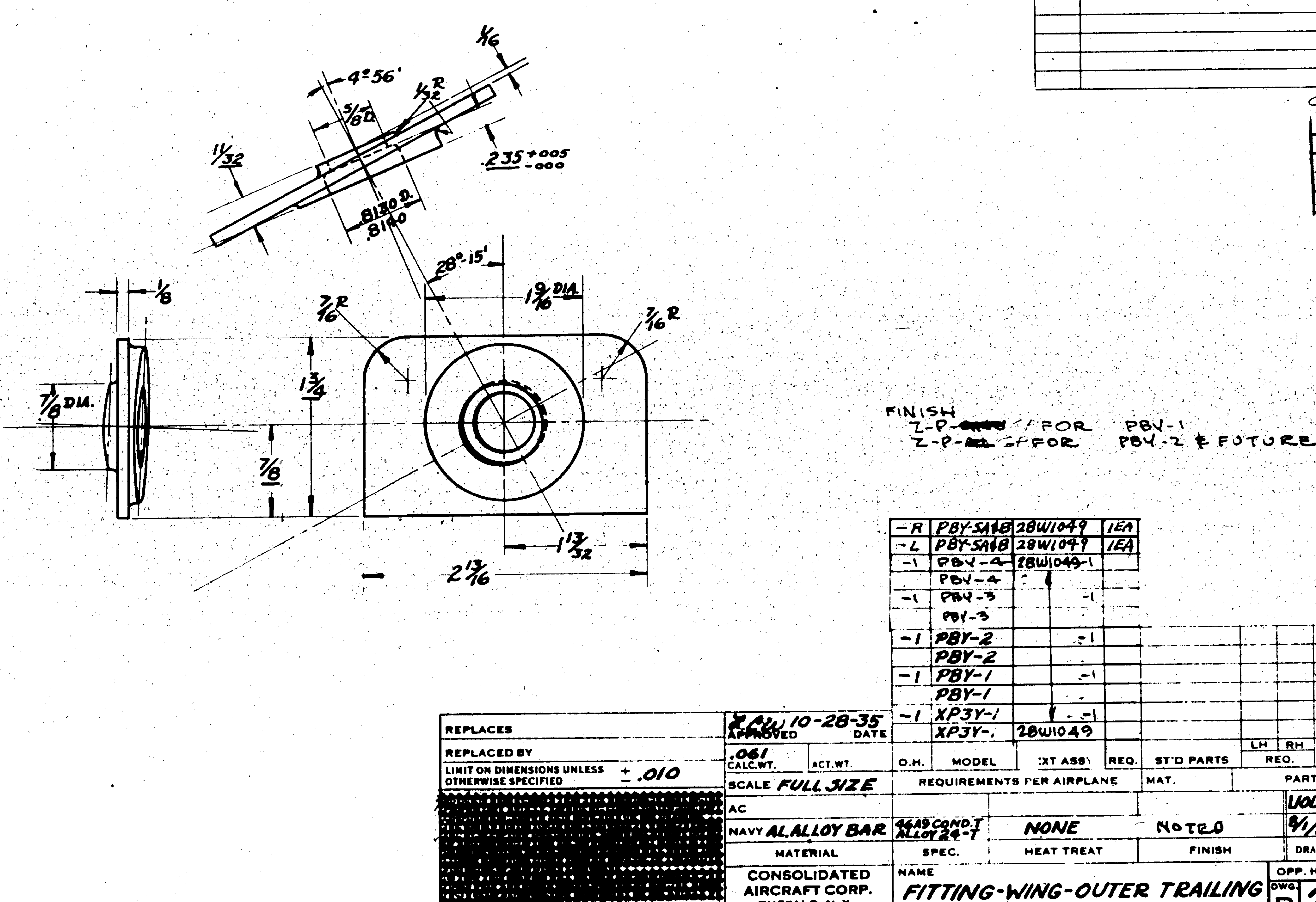


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B | TRACED UP TO DATE | 3-3-37 | RMcC
C | 1/2 R WAS 3/8 R. 1/8 WAS 1/4 1/2 WAS 3/8 | 11-1-40 | CHILLO
D | DIM 1/8 WAS 1/16 1/16 R WAS 1/32 R | 2-11-41 | BEACH
E.O. 21117
PBY-5 & 28-5
THIS EDGE IS CONTOUR LINE (INSIDE OF L.E. SKIN)
GP-GREEN PRIME
FINISH CC
Z ANODIC TREAT
P P-27 PRIMER
C
11/16
1/8
4 15/16
5 19/32
5 5/32
5 3/8
A
B
5/8
1/8
1/16 R.
1/32 R
1/4
1/10
WING CHORD LINE
1/2 R
7/16
4 1/2
4 11/32
23/32
1/16
6 3/4
FOR CONTOUR LINE ORDINATES SEE DWG. 28W017
USE SAME FORMING BLOCK WHICH IS USED FOR 28W016-41 & -42 IF POSSIBLE
SECTION AA
FOR -2 & -3 ONLY
SCALE - FULL SIZE
SECTION BB
FOR -4 & -5 ONLY
SCALE - FULL SIZE
28W175-2 L.H. SHOWN (FL'GD AS PER SECT "AA")
28W175-3 R.H. OPPOSITE (FL'GD AS PER SECT "AA")
28W175-4 L.H. SHOWN (FL'GD AS PER SECT "BB")
28W175-5 R.H. OPPOSITE (FL'GD AS PER SECT "BB")
-3 | PBY-5A & B | 28W2017 | 4EA
-2 | PBY-5A & B | 28W2017 | 4EA
-3 | PBY-5 | 28W2017 | 4
-2 | PBY-5 | 28W2017 | 4
PBY-4 | 28W3017
PBY-3 | 28W3017
PBY-2 | 28W2017
PBY-1 | 28W017
XP3Y-1 | 28W017
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
APPROVED 1-17-36 DATE
.210 CALC. WT.
ACT. WT.
SCALE 6" = 1'-0" & NOTED
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
AC
NAVY .030 AL. ALLOY SHEET
47A10-COND.A. ALLOY-24A
BU.AER.SR53a
NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
7/25/34 3-4-37
DRAFT CHECK EXAM. ENG
OPP HAND
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
NAME NOSE-GUSSET-WING-CENTER SECT LEADING EDGE
DWG. SIZE B 28W175.
STAMP PT. No. WHERE SHOWN
FINISH — GP
Z-P- FOR PBY-1
Z-P- GP FOR PBY-2 & FUTURE

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
B	TRACED UP TO DATE	3-3-37	RMcC

GP GREEN PRIME

FINISH	
Z	ANODIC TREAT.
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE



FINISH
Z-P-GP FOR PBY-1
Z-P-GP FOR PBY-2 & FUTURE

O.H.	MODEL	NEXT ASSY	REQ.
-R	PBY-5A&B	28W1049	1EA
-L	PBY-5A&B	28W1049	1EA
-1	PBY-4	28W1049-1	
	PBY-4		
-1	PBY-3	-1	
	PBY-3		
-1	PBY-2	-1	
	PBY-2		
-1	PBY-1	-1	
	PBY-1		
-1	XP3Y-1	-1	
	XP3Y-1	28W1049	

REQUIREMENTS PER AIRPLANE

ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.

MAT. | PARTS LIST PER ASSY.

REPLACES	
REPLACED BY	
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	± .010

[redacted]

APPROVED RCW DATE 10-28-35

.061 CALC. WT. | ACT. WT.

SCALE FULL SIZE

AC

MATERIAL	SPEC.	HEAT TREAT	FINISH
NAVY AL. ALLOY BAR	46A9 COND. T ALLOY 24-T	NONE	NOTED

DRAFT	CHECK	EXAM.	ENG.
VOLK	[signature]	[signature]	
8/1/34	3-4-37		

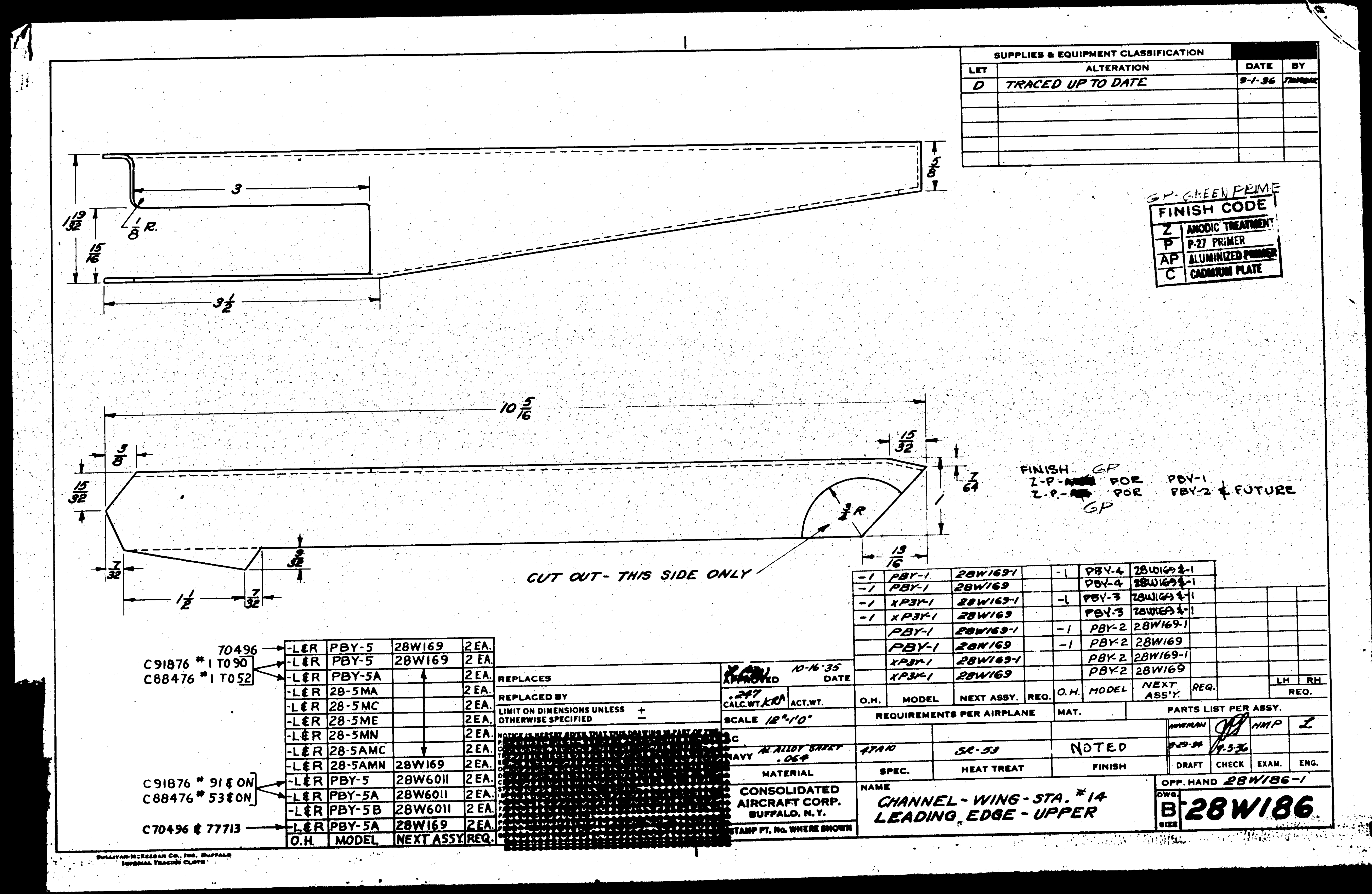
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N. Y.

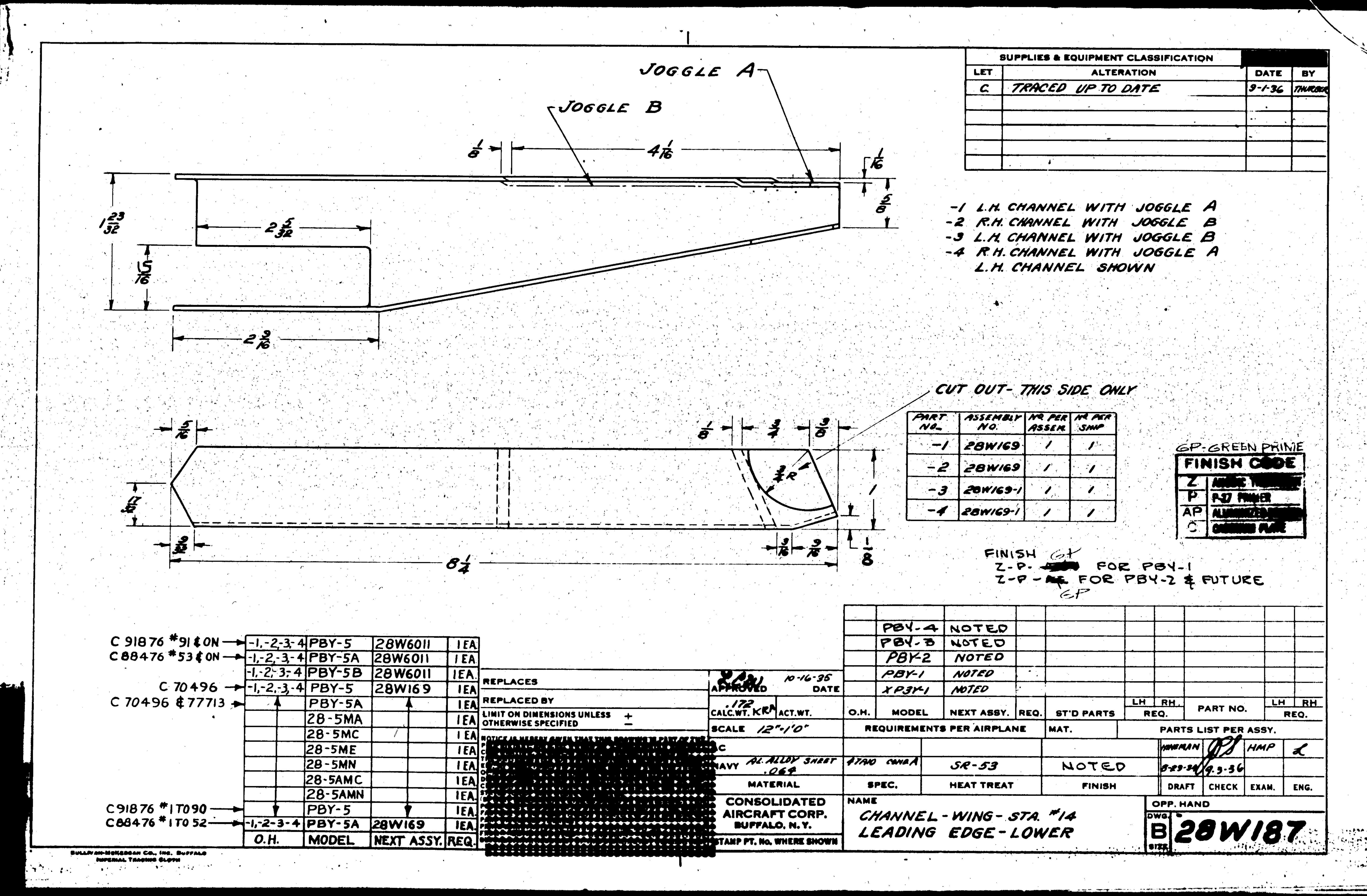
STAMP PT. No. WHERE SHOWN

NAME: FITTING-WING-OUTER TRAILING EDGE-AILERON HINGE BEARING

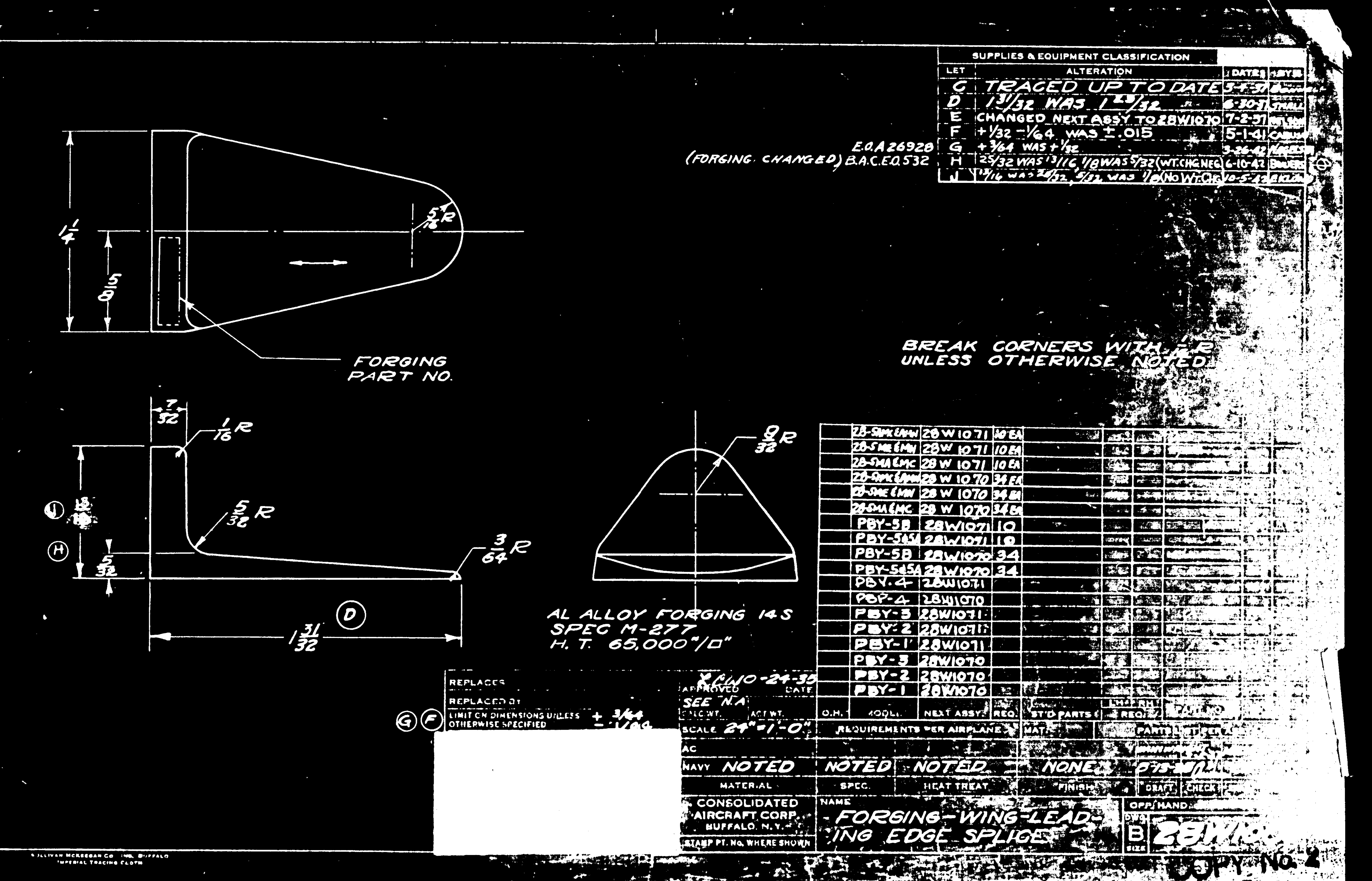
OPP. HAND 28W179-1

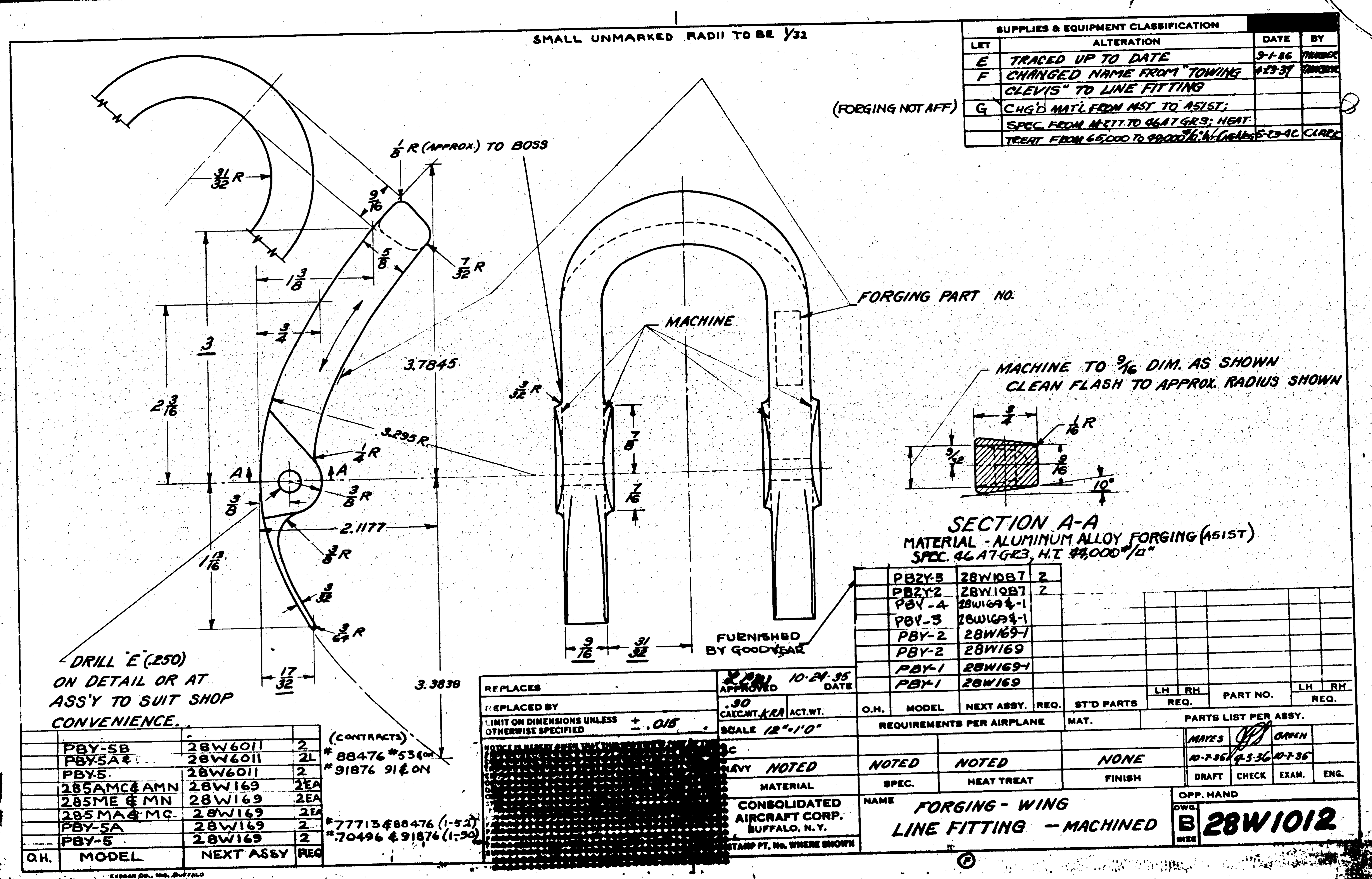
DWG. B SIZE 28W179


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
D | TRACED UP TO DATE | 9-1-36
GP-GREEN PRIME
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
3
1/8 R.
1 19/32
15/16
3 1/2
5/8
10 5/16
3/8
15/32
15/32
7/64
1
3/4 R
13/16
7/32
9/32
1 1/2
7/32
CUT OUT - THIS SIDE ONLY
FINISH GP
Z-P- FOR PBY-1
Z-P- FOR PBY-2 & FUTURE
GP
-1 PBY-1 28W169-1
-1 PBY-1 28W169
-1 XP3Y-1 28W169-1
-1 XP3Y-1 28W169
PBY-1 28W169-1
PBY-1 28W169
XP3Y-1 28W169-1
XP3Y-1 28W169
-1 PBY-4 28W169½-1
PBY-4 28W169½-1
-1 PBY-3 28W169½-1
PBY-3 28W169½-1
-1 PBY-2 28W169-1
-1 PBY-2 28W169
PBY-2 28W169-1
PBY-2 28W169
O.H. MODEL NEXT ASSY. REQ. O.H. MODEL NEXT ASS'Y. REQ.
LH RH REQ.
70496 -L&R PBY-5 28W169 2 EA.
C91876 #1 TO 90 -L&R PBY-5 28W169 2 EA.
C88476 #1 TO 52 -L&R PBY-5A 2 EA.
-L&R 28-5MA 2 EA.
-L&R 28-5MC 2 EA.
-L&R 28-5ME 2 EA.
-L&R 28-5MN 2 EA.
-L&R 28-5AMC 2 EA.
-L&R 28-5AMN 28W169 2 EA.
C91876 # 91 & ON -L&R PBY-5 28W6011 2 EA.
C88476 # 53 & ON -L&R PBY-5A 28W6011 2 EA.
-L&R PBY-5B 28W6011 2 EA.
C70496 & 77713 -L&R PBY-5A 28W169 2 EA.
O.H. MODEL NEXT ASSY REQ.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED +
[redacted]
APPROVED 10-16-35 DATE
.247 CALC.WT. ACT.WT.
SCALE 12"-1'0"
NAVY AL. ALLOY SHEET .064
MATERIAL
47A10
SPEC.
SR-53
HEAT TREAT
NOTED
FINISH
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
HMP L
9-29-34 9-3-36
DRAFT CHECK EXAM. ENG.
OPP. HAND 28W186-1
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
CHANNEL - WING - STA. #14
LEADING EDGE - UPPER
DWG. B SIZE 28W186
SULLIVAN-McKESSON CO., INC. BUFFALO
IMPERIAL TRACING CLOTH

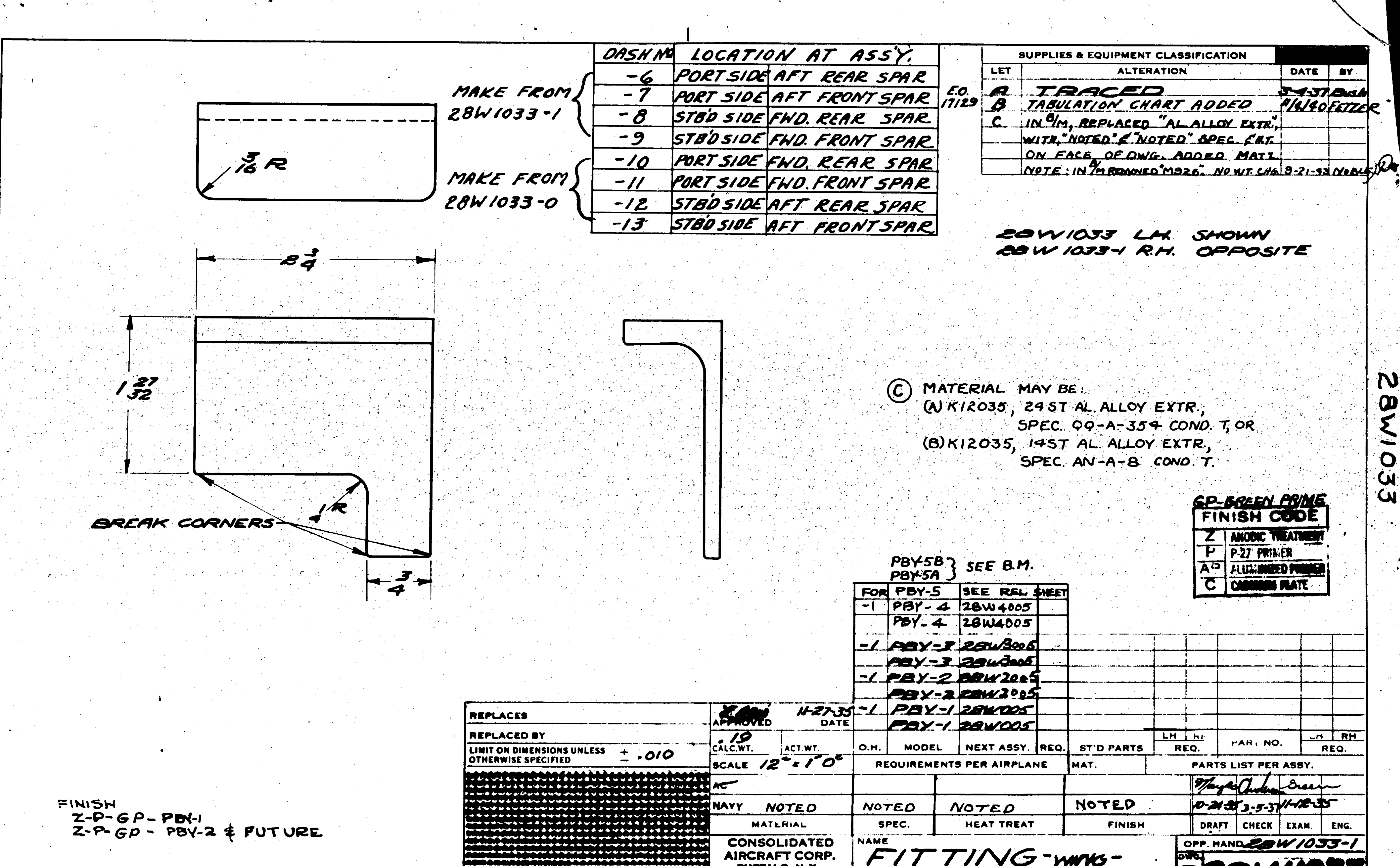


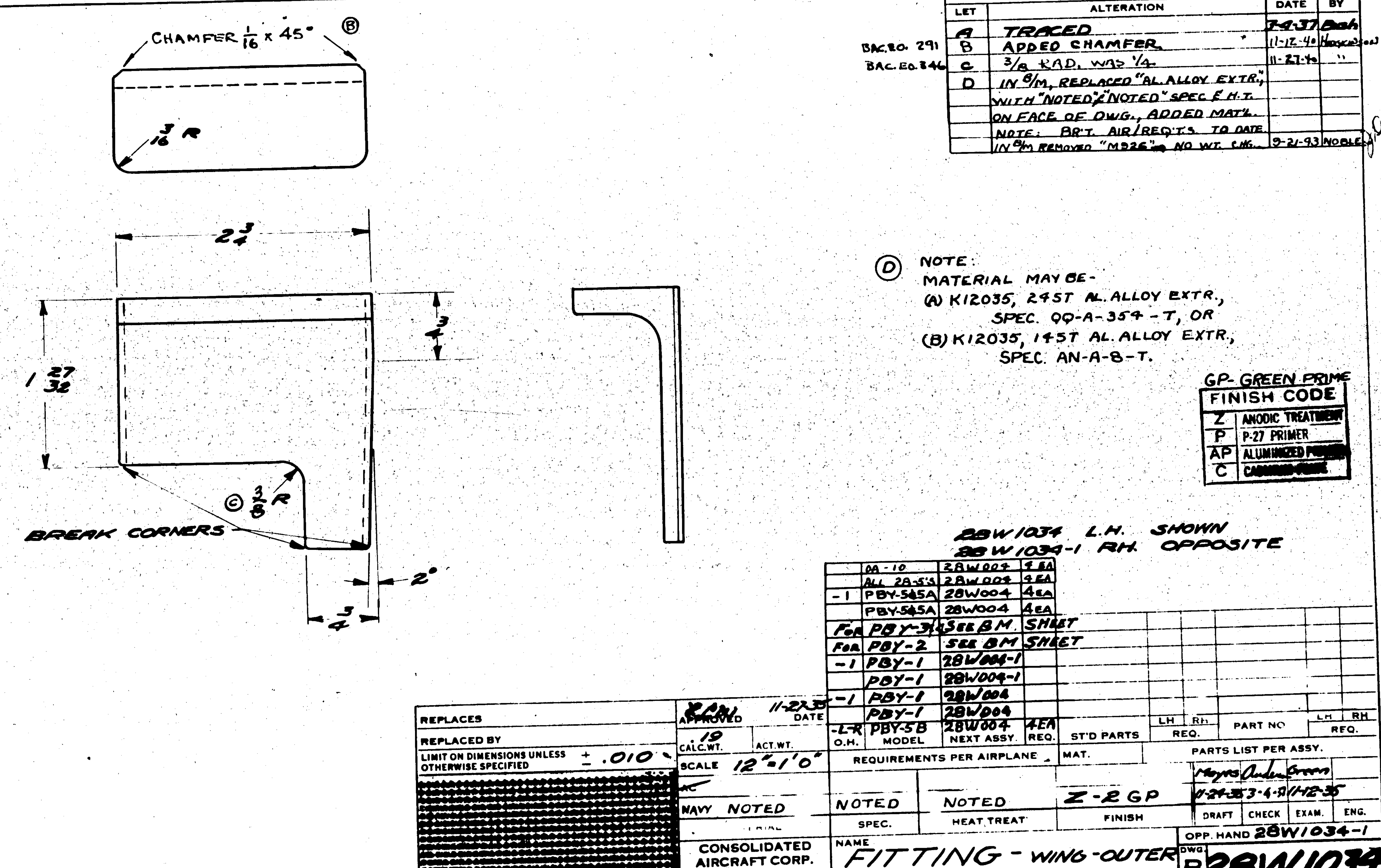
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C | TRACED UP TO DATE | 9-1-36 | THURBER
JOGGLE A
JOGGLE B
1/8
4 1/16
1/16
5/8
1 23/32
2 5/32
15/16
2 9/16
-1 L.H. CHANNEL WITH JOGGLE A
-2 R.H. CHANNEL WITH JOGGLE B
-3 L.H. CHANNEL WITH JOGGLE B
-4 R.H. CHANNEL WITH JOGGLE A
L.H. CHANNEL SHOWN
CUT OUT- THIS SIDE ONLY
5/16
1/8
3/4
3/8
3/4 R
1
11/32
3/32
3/16
9/16
1/8
8 1/4
PART NO. | ASSEMBLY NO. | NO. PER ASSEM. | NO. PER SHIP
-1 | 28W169 | 1 | 1
-2 | 28W169 | 1 | 1
-3 | 28W169-1 | 1 | 1
-4 | 28W169-1 | 1 | 1
GP-GREEN PRIME
FINISH CODE
Z [redacted]
P [redacted]
AP [redacted]
C [redacted]
FINISH GP
Z-P- FOR PBY-1
Z-P- FOR PBY-2 & FUTURE
GP
C 91876 #91 & ON → -1,-2,-3,-4 | PBY-5 | 28W6011 | 1 EA.
C 88476 #53 & ON → -1,-2,-3,-4 | PBY-5A | 28W6011 | 1 EA.
-1,-2,-3,-4 | PBY-5B | 28W6011 | 1 EA.
C 70496 → -1,-2,-3,-4 | PBY-5 | 28W169 | 1 EA.
C 70496 & 77713 → PBY-5A | 1 EA.
28-5MA | 1 EA.
28-5MC | 1 EA.
28-5ME | 1 EA.
28-5MN | 1 EA.
28-5AMC | 1 EA.
28-5AMN | 1 EA.
C91876 #1 TO 90 → PBY-5 | 1 EA.
C88476 #1 TO 52 → -1-2-3-4 | PBY-5A | 28W169 | 1 EA.
O.H. | MODEL | NEXT ASSY. | REQ.
PBY-4 NOTED
PBY-3 NOTED
PBY-2 NOTED
PBY-1 NOTED
XP3Y-1 NOTED
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
[redacted]
APPROVED 10-16-36 DATE
CALC.WT. .172 KRA ACT.WT.
SCALE 12"=1'0"
NAVY AL. ALLOY SHEET .064
MATERIAL
47A10 COND. A
SPEC.
SR-53
HEAT TREAT
NOTED
FINISH
HMP
8-29-36 9-3-36
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
CHANNEL - WING - STA. #14
LEADING EDGE - LOWER
OPP. HAND
DWG. B SIZE
28W187
SULLIVAN-McKEEGAN CO., INC. BUFFALO
IMPERIAL TRACING CLOTH


SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
C TRACED UP TO DATE 3-4-37
D 1 31/32 WAS 1 29/32 6-30-37
E CHANGED NEXT ASSY TO 28W1070 7-2-37
F +1/32 -1/64 WAS ± .015 5-1-41
G +3/64 WAS +1/32 3-26-42
H 25/32 WAS 13/16, 1/8 WAS 5/32 (WT. CHG. NEG.) 6-10-42
J 13/16 WAS 25/32, 5/32 WAS 1/8 (NO WT. CHG.) 10-5-42
E.O.A 26928
(FORGING CHANGED) B.A.C.E.O.532
1 1/4
5/8
5/16 R
FORGING PART NO.
BREAK CORNERS WITH 1/64 R UNLESS OTHERWISE NOTED
7/32
1/16 R
5/32 R
3/64 R
5/32
1 31/32
9/32 R
AL ALLOY FORGING 14S
SPEC M-277
H. T. 65,000"/□"
28-5MA EMW 28W1071 10 EA
28-5ME EMW 28W1071 10 EA
28-5MA EMC 28W1071 10 EA
28-5MA EMW 28W1070 34 EA
28-5ME EMW 28W1070 34 EA
28-5MA EMC 28W1070 34 EA
PBY-5B 28W1071 10
PBY-5A 28W1071 10
PBY-5B 28W1070 34
PBY-5A 28W1070 34
PBY-4 28W1071
PBY-4 28W1070
PBY-3 28W1071
PBY-2 28W1071
PBY-1 28W1071
PBY-3 28W1070
PBY-2 28W1070
PBY-1 28W1070
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 3/64 1/64
10-24-35
APPROVED DATE
SEE N.A.
CALC. WT.
ACT. WT.
O.H.
MODEL
NEXT ASSY.
REQ.
STD PARTS
REQ.
SCALE 24" = 1'-0"
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST
AC
NAVY NOTED NOTED NOTED NONE
MATERIAL SPEC. HEAT TREAT FINISH DRAFT CHECK
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
NAME
FORGING-WING-LEADING EDGE SPLICE
OPP. HAND
B
SIZE
28W1
STAMP PT. No. WHERE SHOWN
COPY NO. 2
SULLIVAN McKEEGAN CO. INC. BUFFALO
IMPERIAL TRACING CLOTH

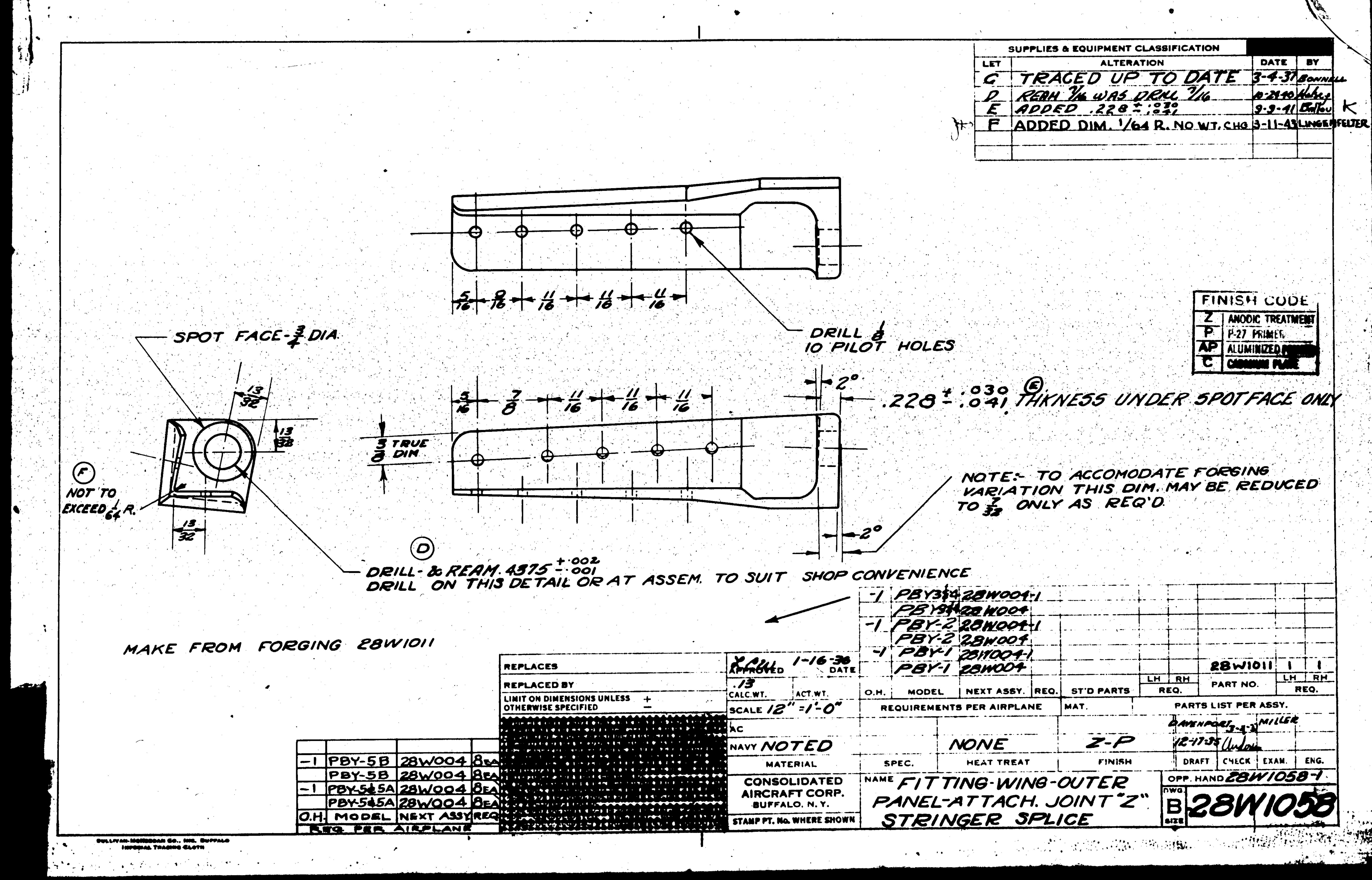


7
SMALL UNMARKED RADII TO BE 1/32
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
E | TRACED UP TO DATE | 9-1-36
F | CHANGED NAME FROM "TOWING CLEVIS" TO LINE FITTING | 4-23-37
(FORGING NOT AFF.) G | CHG'D MAT'L FROM 17ST TO A51ST; SPEC. FROM M-277 TO 46A7 GR3; HEAT-TREAT FROM 65,000 TO 42,000 | 5-23-42 | CLARK
1/8 R (APPROX.) TO BOSS
31/32 R
9/16
5/8
7/32 R
1 3/8
3/4
3
2 3/16
3.7845
3.295 R
1/4 R
A
A
3/8
3/8 R
2.1177
3/8 R
1 13/16
3/32
3/64 R
17/32
3.3838
DRILL "E" (.250) ON DETAIL OR AT ASS'Y TO SUIT SHOP CONVENIENCE.
FORGING PART NO.
MACHINE
3/32 R
7/8
7/16
9/16
31/32
FURNISHED BY GOODYEAR
MACHINE TO 9/16 DIM. AS SHOWN
CLEAN FLASH TO APPROX. RADIUS SHOWN
3/4
1/16 R
9/32
9/16
10°
SECTION A-A
MATERIAL - ALUMINUM ALLOY FORGING (A51ST)
SPEC. 46A7-GR3, H.T. 42,000#/□"
PBZY-3 | 28W1087 | 2
PBZY-2 | 28W1087 | 2
PBY-4 | 28W169-1
PBY-3 | 28W169-1
PBY-2 | 28W169-1
PBY-2 | 28W169
PBY-1 | 28W169-1
PBY-1 | 28W169
O.H. | MODEL | NEXT ASSY. | REQ.
ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .015
APPROVED 10-24-35 DATE
.30 CALC.WT. ACT.WT.
SCALE 12"-1'0"
[redacted]
NAVY NOTED | NOTED | NOTED | NONE
MATERIAL | SPEC. | HEAT TREAT | FINISH
MAYES | GREEN
10-7-36 | 9-5-36 | 10-7-36
DRAFT | CHECK | EXAM. | ENG.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME FORGING - WING LINE FITTING - MACHINED
DWG. B SIZE 28W1012
PBY-5B | 28W6011 | 2
PBY-5A | 28W6011 | 2L
PBY-5 | 28W6011 | 2
28-5AMC & AMN | 28W169 | 2EA
28-5ME & MN | 28W169 | 2EA
28-5MA & MC | 28W169 | 2EA
PBY-5A | 28W169 | 2
PBY-5 | 28W169 | 2
O.H. | MODEL | NEXT ASSY | REQ
(CONTRACTS)
#88476 #534 ON
#91876 91 & ON
#77713 & 88476 (1-52)
#70496 & 91876 (1-90)

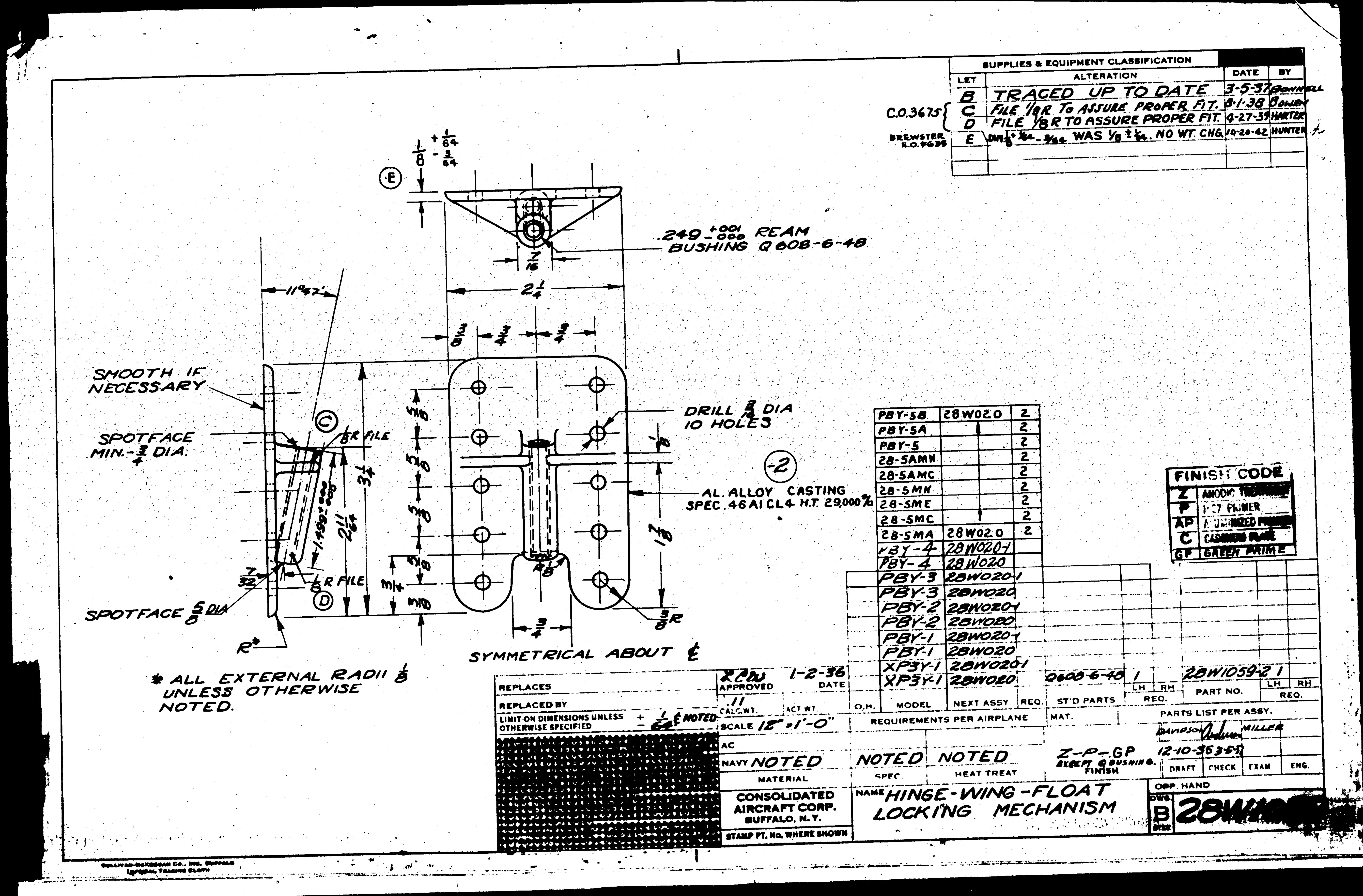

DASH No. | LOCATION AT ASS'Y.
MAKE FROM 28W1033-1
-6 PORT SIDE AFT REAR SPAR
-7 PORT SIDE AFT FRONT SPAR
-8 STB'D SIDE FWD. REAR SPAR
-9 STB'D SIDE FWD. FRONT SPAR
MAKE FROM 28W1033-0
-10 PORT SIDE FWD. REAR SPAR
-11 PORT SIDE FWD. FRONT SPAR
-12 STB'D SIDE AFT REAR SPAR
-13 STB'D SIDE AFT FRONT SPAR
E.O. 17129
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A TRACED
B TABULATION CHART ADDED 11/6/40 FETZER
C IN B/M, REPLACED "AL ALLOY EXTR." WITH "NOTED" & "NOTED" SPEC. EXT. ON FACE OF DWG. ADDED MAT'L NOTE: IN B/M REMOVED "M926". NO WT. CHG. 9-21-43 NOBLE
5/16 R
8 3/4
1 27/32
1/4 R
BREAK CORNERS
3/4
28W1033 L.H. SHOWN
28W1033-1 R.H. OPPOSITE
C MATERIAL MAY BE:
(A) K12035, 24ST AL. ALLOY EXTR., SPEC. QQ-A-354 COND. T, OR
(B) K12035, 14ST AL. ALLOY EXTR., SPEC. AN-A-8 COND. T.
GP-GREEN PRIME
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
A ALUMINIZED PRIMER
C CADMIUM PLATE
PBY-5B
PBY-5A SEE B.M.
FOR | PBY-5 | SEE REL | SHEET
-1 PBY-4 28W4005
PBY-4 28W4005
-1 PBY-3 28W3005
PBY-3 28W3005
-1 PBY-2 28W2005
PBY-2 28W2005
-1 PBY-1 28W005
PBY-1 28W005
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
APPROVED 11-27-35 DATE
.19 CALC.WT. ACT.WT.
SCALE 12" = 1'0"
O.H. | MODEL | NEXT ASSY. | REQ. | STD PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
NAVY NOTED | NOTED | NOTED | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
DRAFT | CHECK | EXAM. | ENG.
10-21-35 3-5-37 11-12-35
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME FITTING - WING - OUTER PANEL ATTACH. JOINT
OPP. HAND 28W1033-1
DWG. B 28W1033
FINISH
Z-P-GP-PBY-1
Z-P-GP - PBY-2 & FUTURE
28W1033



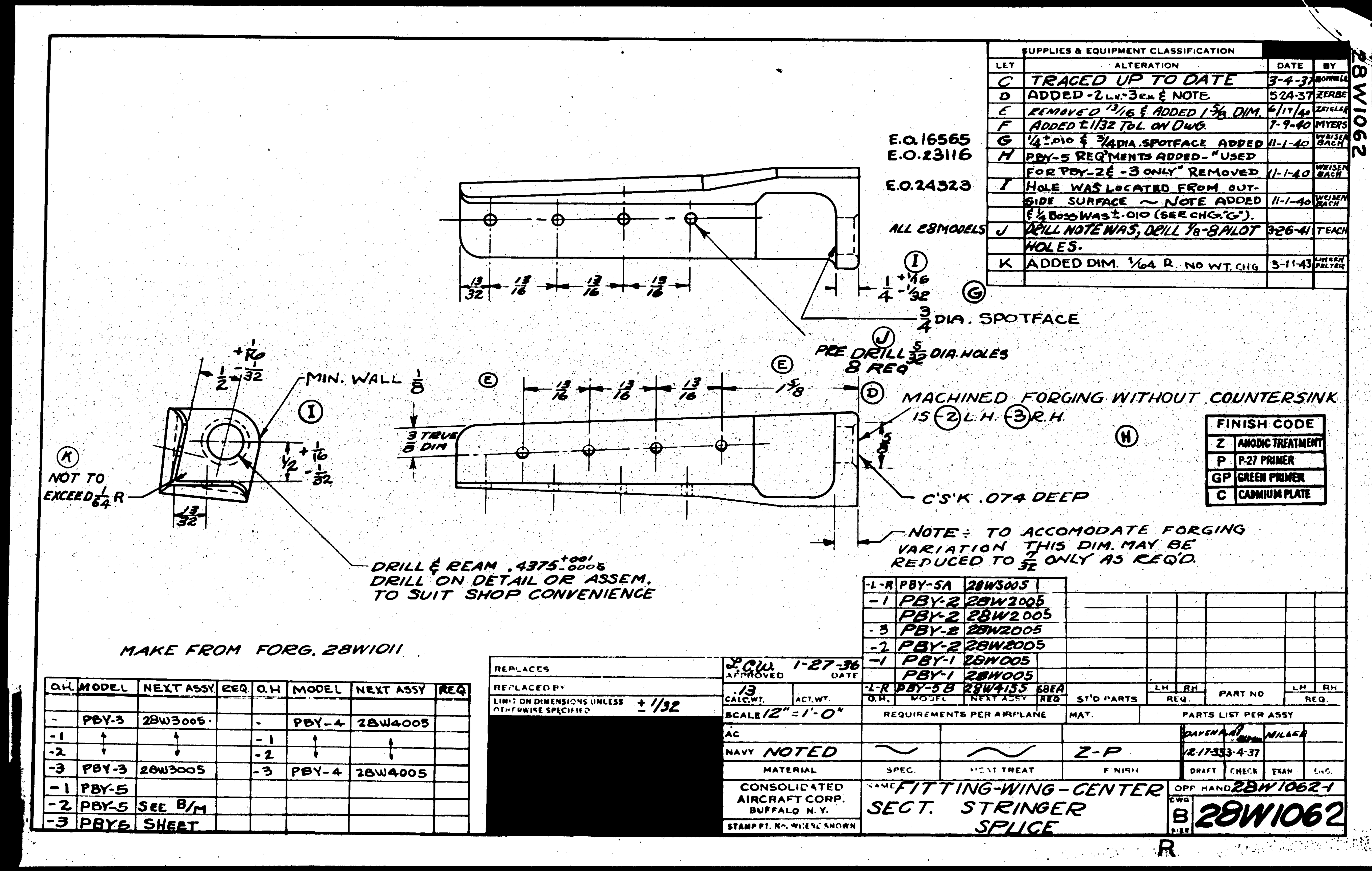
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A TRACED
BAC.EO. 291 B ADDED CHAMFER 11-12-40
BAC.EO.346 C 3/8 RAD. WAS 1/4 11-27-40
D IN B/M, REPLACED "AL. ALLOY EXTR." WITH "NOTED" & "NOTED" SPEC & H.T. ON FACE OF DWG., ADDED MAT'L. NOTE. BR'T. AIR/REQ'TS. TO DATE
IN B/M REMOVED "M526" NO WT. CHG. 9-21-93 NOBLE
CHAMFER 1/16 x 45° (B)
3/16 R
2 3/4
3/4
1 27/32
(C) 3/8 R
BREAK CORNERS
2°
3/4
(D) NOTE:
MATERIAL MAY BE-
(A) K12035, 24ST AL. ALLOY EXTR., SPEC. QQ-A-354-T, OR
(B) K12035, 14ST AL. ALLOY EXTR., SPEC. AN-A-8-T.
GP- GREEN PRIME
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
28W1034
28W1034 L.H. SHOWN
28W1034-1 RH. OPPOSITE
OA-10 28W004 4EA
ALL 28-5'S 28W004 4EA
-1 PBY-5&5A 28W004 4EA
PBY-5&5A 28W004 4EA
FOR PBY-3 SEE BM SHEET
FOR PBY-2 SEE BM SHEET
-1 PBY-1 28W004-1
PBY-1 28W004-1
-1 PBY-1 28W004
PBY-1 28W004
-L-R PBY-5B 28W004 4EA
O.H. MODEL NEXT ASSY. REQ.
ST'D PARTS
LH RH REQ.
PART NO
LH RH REQ.
PARTS LIST PER ASSY.
REQUIREMENTS PER AIRPLANE
MAT.
REPLACES
REPLACED BY
APPROVED 11-27-35 DATE
.19 CALC.WT. ACT.WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
SCALE 12"=1'0"
NAVY NOTED
NOTED SPEC.
NOTED HEAT TREAT
Z-2 GP FINISH
11-24-35 3-4-37 11-12-35
DRAFT CHECK EXAM. ENG.
OPP. HAND 28W1034-1
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME FITTING - WING-OUTER PANEL ATTACH. JOINT.
DWG SIZE B
28W1034



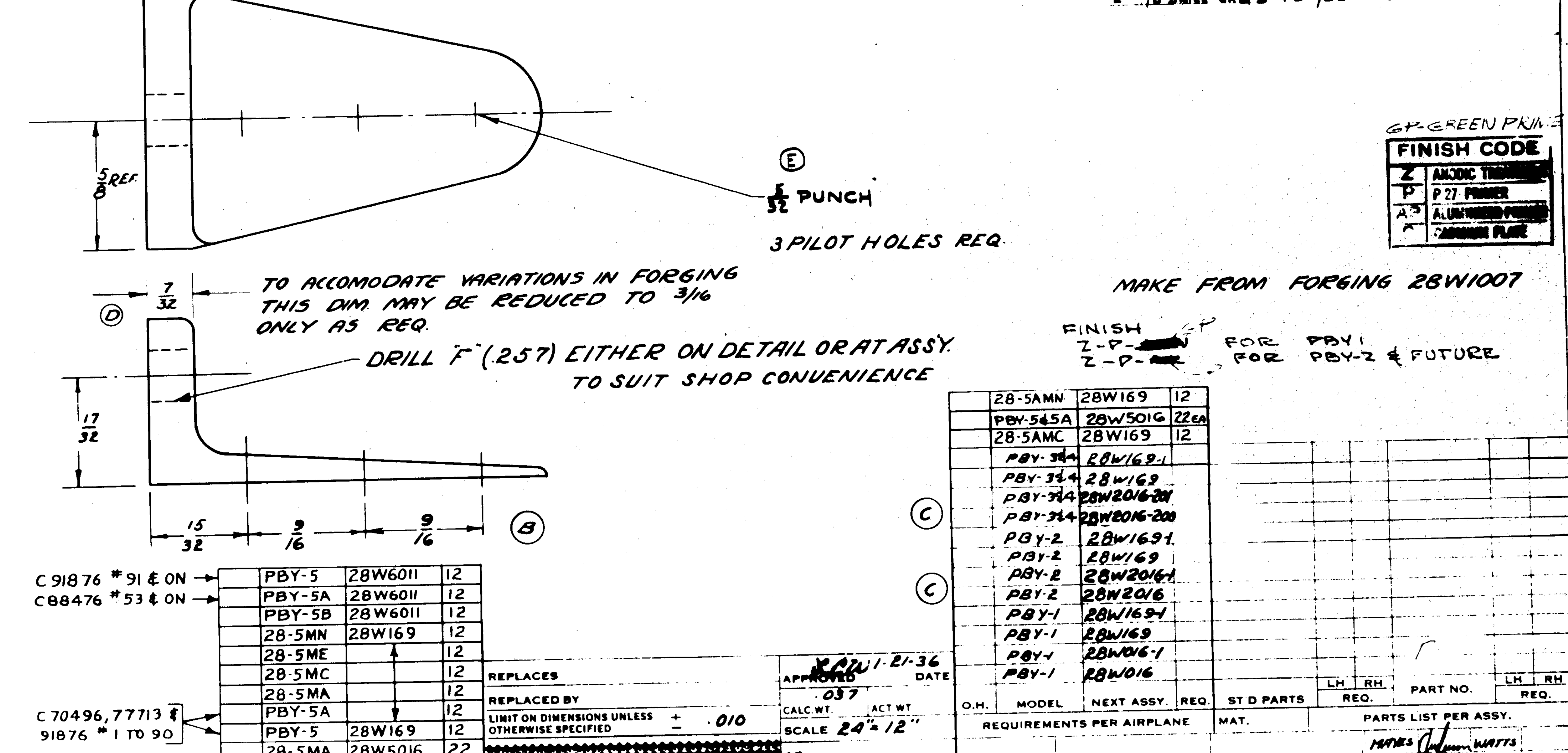
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C TRACED UP TO DATE 3-4-37 BONNELL
D REAM 7/16 WAS DRILL 7/16
E ADDED .228 +.030 -.041 9-9-41
F ADDED DIM. 1/64 R. NO WT. CHG 3-11-43 LINGENFELTER
K
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED
C
5/16 9/16 11/16 11/16 11/16
DRILL 1/8
10 PILOT HOLES
SPOT FACE-3/4 DIA.
13/32
13/32
2°
.228 +.030 -.041 THIKNESS UNDER SPOTFACE ONLY
E
5/16 7/8 11/16 11/16 11/16
3/8 TRUE DIM
F
NOT TO EXCEED 1/64 R.
13/32
NOTE:- TO ACCOMODATE FORGING VARIATION THIS DIM. MAY BE REDUCED TO 7/32 ONLY AS REQ'D.
2°
D
DRILL- & REAM .4375 +.002 -.001
DRILL ON THIS DETAIL OR AT ASSEM. TO SUIT SHOP CONVENIENCE
MAKE FROM FORGING 28W1011
-1 PBY-3&4 28W004-1
PBY-3&4 28W004
-1 PBY-2 28W004-1
PBY-2 28W004
-1 PBY-1 28W004-1
PBY-1 28W004
28W1011 1 1
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED + −
APPROVED 1-16-36 DATE
.13 CALC.WT. ACT.WT.
SCALE 12" = 1'-0"
AC
NAVY NOTED
MATERIAL
NONE
SPEC. HEAT TREAT
Z-P
FINISH
DAVENPORT 3-4-37 MILLER
12-17-35
DRAFT CHECK EXAM. ENG.
-1 PBY-5B 28W004 8EA
PBY-5B 28W004 8EA
-1 PBY-5&5A 28W004 8EA
PBY-5&5A 28W004 8EA
O.H. MODEL NEXT ASSY REQ
REQ PER AIRPLANE
[redacted]
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N. Y.
STAMP PT. No. WHERE SHOWN
NAME FITTING-WING-OUTER PANEL-ATTACH. JOINT "Z" STRINGER SPLICE
OPP. HAND 28W1058-1
DWG. SIZE B
28W1058
SULLIVAN-McKEGGAN CO., INC. BUFFALO
IMPERIAL TRACING CLOTH



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B TRACED UP TO DATE 3-5-37
C FILE 1/8 R TO ASSURE PROPER FIT. 8-1-38
D FILE 1/8 R TO ASSURE PROPER FIT. 4-27-39 HARTER
E WAS 1/8 ± 1/64. NO WT. CHG. 10-20-42 HUNTER
C.O.3675
BREWSTER E.O.9635
.249 +.001 -.000 REAM
BUSHING Q608-6-48
SMOOTH IF NECESSARY
SPOTFACE MIN.-3/4 DIA.
1/8 R FILE
1/8 R FILE
SPOTFACE 5/8 DIA
DRILL 3/16 DIA 10 HOLES
AL. ALLOY CASTING
SPEC. 46A1CL4 H.T. 29,000%
SYMMETRICAL ABOUT ℄
* ALL EXTERNAL RADII 1/8 UNLESS OTHERWISE NOTED.
PBY-5B 28W020 2
PBY-5A 2
PBY-5 2
28-5AMN 2
28-5AMC 2
28-5MN 2
28-5ME 2
28-5MC 2
28-5MA 28W020 2
PBY-4 28W020-1
PBY-4 28W020
PBY-3 28W020-1
PBY-3 28W020
PBY-2 28W020-1
PBY-2 28W020
PBY-1 28W020-1
PBY-1 28W020
XP3Y-1 28W020-1
XP3Y-1 28W020
Q608-6-48 1
28W1059-2 1
FINISH CODE
Z ANODIC TREATMENT
P PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
GP GREEN PRIME
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64 & NOTED
APPROVED 1-2-36 DATE
CALC. WT. .11
ACT WT.
SCALE 12" = 1'-0"
O.H. MODEL NEXT ASSY. REQ. STD PARTS REQ. PART NO. REQ.
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASSY.
MAT.
AC
NAVY NOTED NOTED NOTED Z-P-GP EXCEPT @ BUSHING
MATERIAL SPEC HEAT TREAT FINISH
DAVIDSON MILLER 12-10-35
DRAFT CHECK EXAM ENG.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. NO. WHERE SHOWN
NAME HINGE-WING-FLOAT LOCKING MECHANISM
DWG SIZE B 28W10



28W1062
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C | TRACED UP TO DATE | 3-4-37
D | ADDED -2 L.H. -3 R.H. & NOTE | 5-24-37 | ZERBE
E | REMOVED 13/16 & ADDED 1 5/8 DIM. | 6/17/40
F | ADDED ±1/32 TOL. ON DWG. | 7-9-40 | MYERS
G | 1/4 ±.010 & 3/4 DIA. SPOTFACE ADDED | 11-1-40 | WEISENBACH
H | PBY-5 REQ'MENTS ADDED - "USED FOR PBY-2 & -3 ONLY" REMOVED | 11-1-40 | WEISENBACH
I | HOLE WAS LOCATED FROM OUTSIDE SURFACE ~ NOTE ADDED (1/4 B050 WAS ±.010 (SEE CHG. "G"). | 11-1-40 | WEISENBACH
J | DRILL NOTE WAS, DRILL 1/8-8 PILOT HOLES. | 3-26-41 | TEACH
K | ADDED DIM. 1/64 R. NO WT. CHG. | 3-11-43
E.O. 16565
E.O. 23116
E.O. 24323
ALL 28 MODELS
13/32 13/16 13/16 13/16
1/4 +1/16 -1/32
3/4 DIA. SPOTFACE
PRE DRILL 5/32 DIA. HOLES 8 REQ
1/2 +1/16 -1/32
MIN. WALL 1/8
13/16 13/16 13/16 1 5/8
MACHINED FORGING WITHOUT COUNTERSINK IS -2 L.H. -3 R.H.
3/8 TRUE DIM
1/2 +1/16 -1/32
NOT TO EXCEED 1/64 R
13/32
C'S'K .074 DEEP
NOTE: TO ACCOMODATE FORGING VARIATION THIS DIM. MAY BE REDUCED TO 7/32 ONLY AS REQ'D.
DRILL & REAM .4375 +.001 -.0005 DRILL ON DETAIL OR ASSEM. TO SUIT SHOP CONVENIENCE
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
GP GREEN PRIMER
C CADMIUM PLATE
MAKE FROM FORG. 28W1011
O.H. | MODEL | NEXT ASSY | REQ. | O.H. | MODEL | NEXT ASSY | REQ.
- | PBY-3 | 28W3005 | | - | PBY-4 | 28W4005
-1 | | | | -1
-2 | | | | -2
-3 | PBY-3 | 28W3005 | | -3 | PBY-4 | 28W4005
-1 | PBY-5
-2 | PBY-5 | SEE B/M
-3 | PBY-5 | SHEET
-L-R | PBY-5A | 28W3005
-1 | PBY-2 | 28W2005
| PBY-2 | 28W2005
-3 | PBY-2 | 28W2005
-2 | PBY-2 | 28W2005
-1 | PBY-1 | 28W005
| PBY-1 | 28W005
-L-R | PBY-5B | 28W4155 | 68EA
O.H. | MODEL | NEXT ASSY | REQ
REQUIREMENTS PER AIRPLANE
ST'D PARTS | LH RH REQ. | PART NO | LH RH REQ.
MAT. | PARTS LIST PER ASSY
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±1/32
APPROVED LCW DATE 1-27-36
.13 CALC. WT. ACT. WT.
SCALE 12" = 1'-0"
AC
NAVY NOTED
MATERIAL | SPEC. | HEAT TREAT | Z-P FINISH
DAVENPORT MILLER 12-17-35 3-4-37
DRAFT CHECK EXAM ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO N.Y.
STAMP PT. No. WHERE SHOWN
NAME FITTING-WING-CENTER SECT. STRINGER SPLICE
OPP. HAND 28W1062-1
DWG B 28W1062
R



SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
A	TRACED	3-3-37	REN...
B	REMOVED 3/16 DIM. ADDED 7/32 DIM.	7-6-37	S...
C	NEXT ASSY. NOS. FOR PBY-2 &	"	"
	PBY-3 CHG'D. (SEE CHGE NOTICE)	"	"
D	ADDED DIM. & NOTE	9-7-37	McDoug...
E	1/8 DRILL CHG'D TO 5/32 PUNCH.	2-25-41	SPECIAL

FINISH CODE

Z	ANODIC [redacted]
P	P 27 PRIMER
A	ALUM[redacted]
F	[redacted] PLATE

O.H.	MODEL	NEXT ASSY	REQ.
	PBY-5	28W6011	12
	PBY-5A	28W6011	12
	PBY-5B	28W6011	12
	28-5MN	28W169	12
	28-5ME		12
	28-5MC		12
	28-5MA		12
	PBY-5A		12
	PBY-5	28W169	12
	28-5MA	28W5016	22
	28-5MC		22
	28-5ME		22
	28-5MN		22
	28-5AMC		22
	PBY-5B		22
	28-5AMN	28W5016	22

O.H.	MODEL	NEXT ASSY.	REQ.
	28-5AMN	28W169	12
	PBY-5&5A	28W5016	22 EA
	28-5AMC	28W169	12
	PBY-3&4	28W169-1	
	PBY-3&4	28W169	
	PBY-3&4	28W2016-201	
	PBY-3&4	28W2016-200	
	PBY-2	28W169-1	
	PBY-2	28W169	
	PBY-2	28W2016-1	
	PBY-2	28W2016	
	PBY-1	28W169-1	
	PBY-1	28W169	
	PBY-1	28W016-1	
	PBY-1	28W016	

REQUIREMENTS PER AIRPLANE

STD PARTS	LH	RH	PART NO.	LH	RH
	REQ.			REQ.	

MAT. — PARTS LIST PER ASSY.

REPLACES

REPLACED BY

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010

APPROVED 1-21-36 DATE

CALC. WT. .037 ACT. WT

SCALE 24" = 12"

AC

NAVY AL. ALLOY FORGING

MATERIAL

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

STAMP PT. No. WHERE SHOWN

SPEC. HEAT TREAT FINISH NOTED

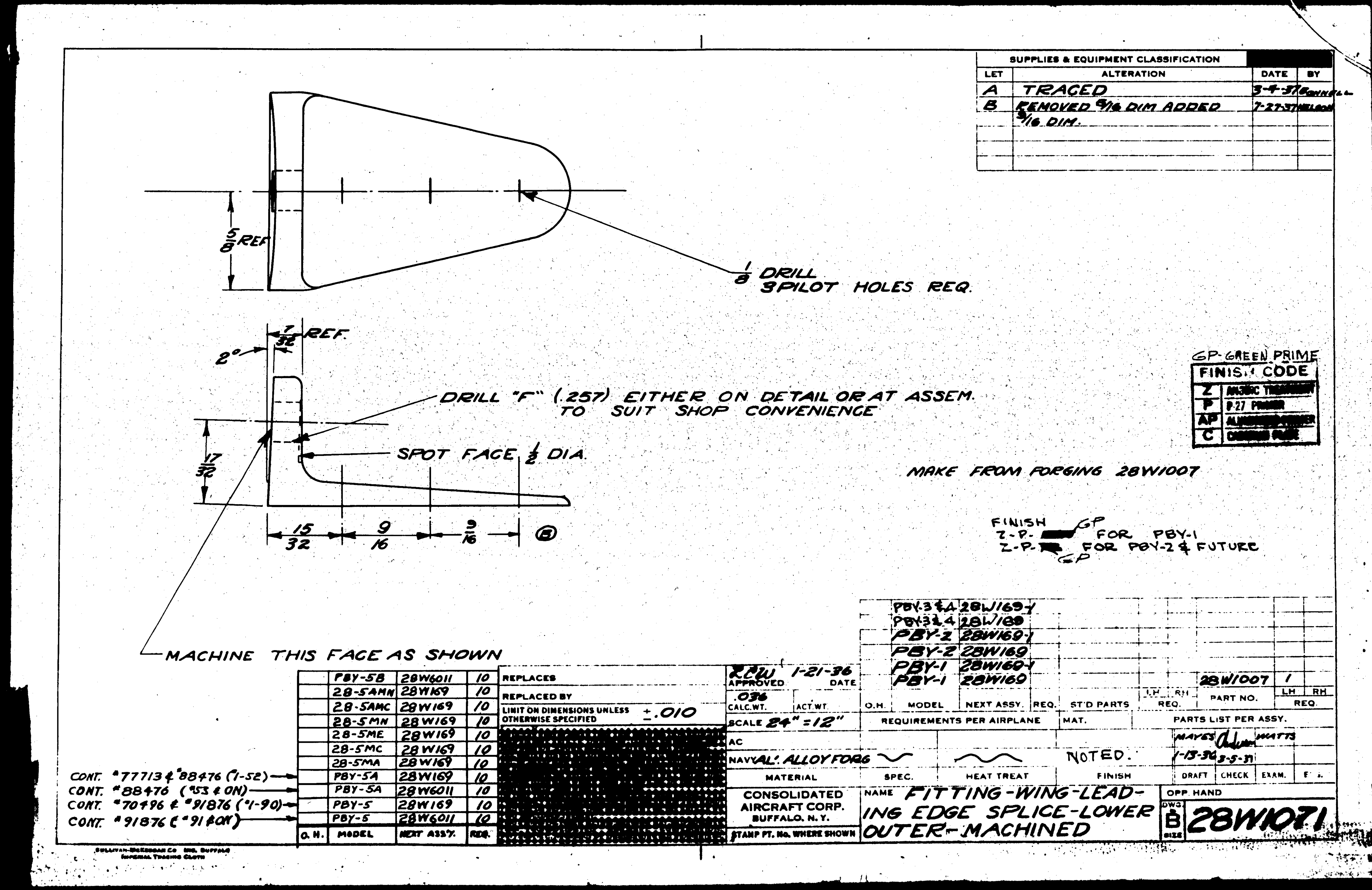
DRAFT	CHECK	EXAM	ENG.
MAYES 1-14-36	WATTS 3-4-37		

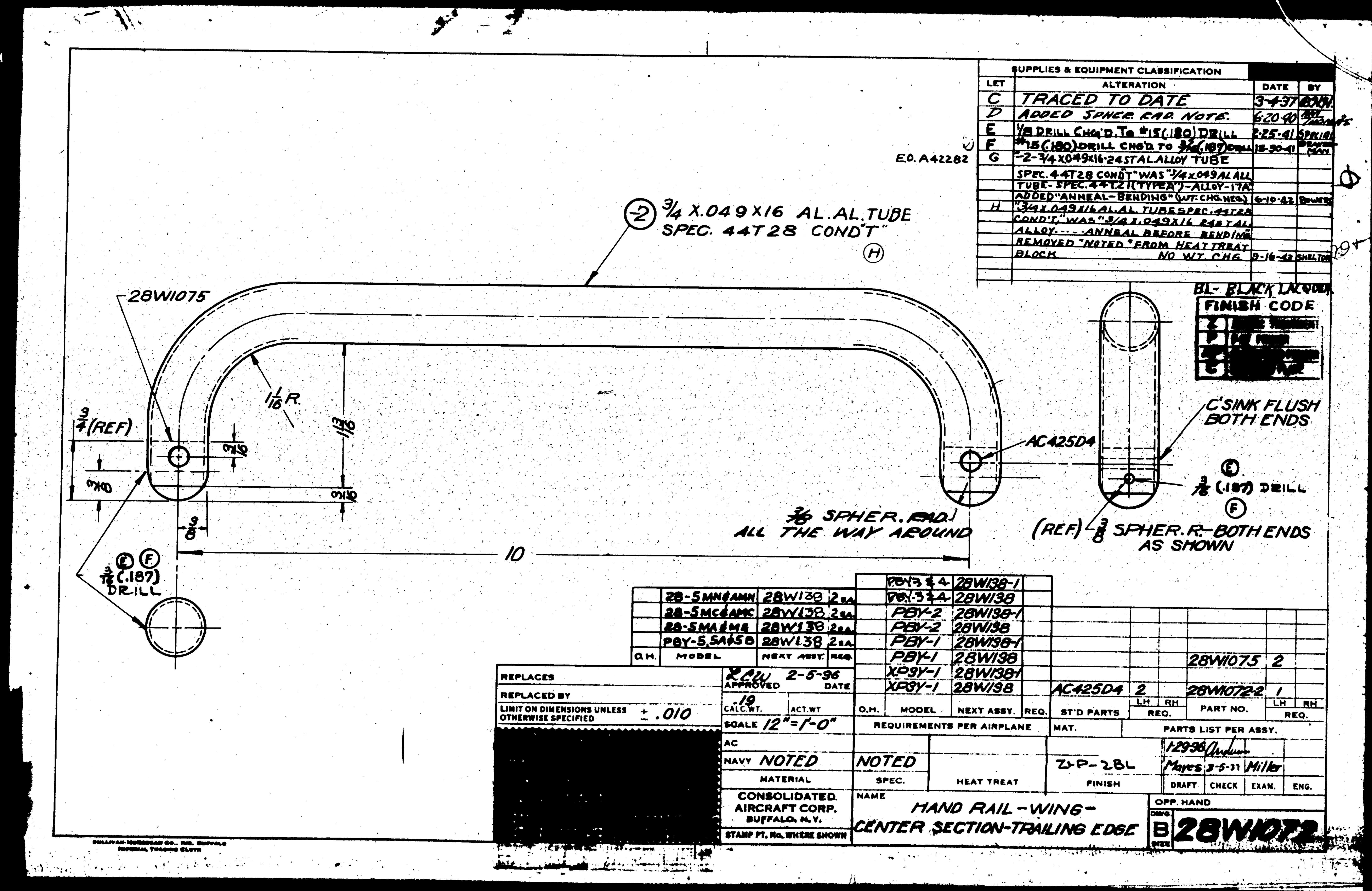
OPP. HAND

NAME FITTING-WING-LEADING EDGE SPLICE-MACHINED

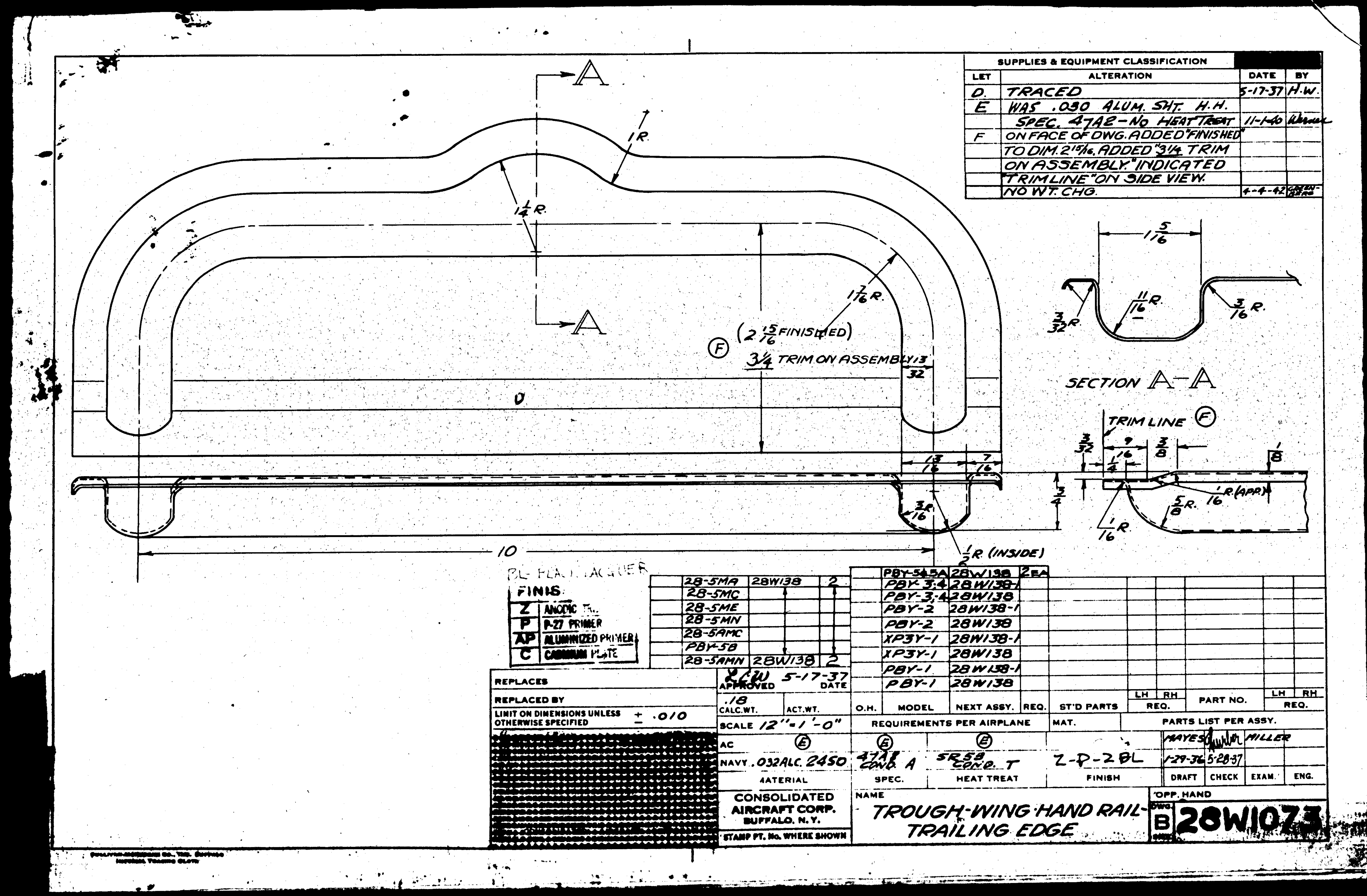
DWG. SIZE B 28W1070

SULLIVAN-McKEEGAN CO., INC. BUFFALO IMPERIAL TRACING CLOTH


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED | 3-4-37
B | REMOVED 9/16 DIM ADDED 3/16 DIM. | 7-27-37
5/8 REF
1/8 DRILL 3 PILOT HOLES REQ.
7/32 REF.
2°
DRILL "F" (.257) EITHER ON DETAIL OR AT ASSEM. TO SUIT SHOP CONVENIENCE
SPOT FACE 1/2 DIA.
17/32
15/32
9/16
9/16
B
MACHINE THIS FACE AS SHOWN
GP-GREEN PRIME
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP
C
MAKE FROM FORGING 28W1007
FINISH
Z-P- GP FOR PBY-1
Z-P- GP FOR PBY-2 & FUTURE
PBY-3 & 4 28W169-1
PBY-3 & 4 28W169
PBY-2 28W169-1
PBY-2 28W169
PBY-1 28W169-1
PBY-1 28W169
O.H. MODEL NEXT ASSY. REQ.
REQUIREMENTS PER AIRPLANE
28W1007 1
ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
MAT.
PARTS LIST PER ASSY.
PBY-5B 28W6011 10
28-5AMN 28W169 10
28-5AMC 28W169 10
28-5MN 28W169 10
28-5ME 28W169 10
28-5MC 28W169 10
28-5MA 28W169 10
PBY-5A 28W169 10
PBY-5A 28W6011 10
PBY-5 28W169 10
PBY-5 28W6011 10
O.H. MODEL NEXT ASS'Y. REQ.
CONT. #77713 & #88476 (1-52)
CONT. #88476 (#53 & ON)
CONT. #70496 & #91876 (#1-90)
CONT. #91876 (#91 & ON)
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±.010
APPROVED 1-21-36 DATE
.036 CALC. WT. ACT. WT.
SCALE 24" = 12"
AC
NAVY AL. ALLOY FORG.
MATERIAL SPEC. HEAT TREAT FINISH
NOTED.
MAYES WATTS
1-15-36 3-5-37
DRAFT CHECK EXAM.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME FITTING-WING-LEADING EDGE SPLICE-LOWER OUTER-MACHINED
OPP. HAND
DWG. SIZE B
28W1071
SULLIVAN-McKEOGAN CO. INC. BUFFALO
IMPERIAL TRACING CLOTH



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C TRACED TO DATE 3-4-37
D ADDED SPHER. RAD. NOTE. 6-20-40
E 1/8 DRILL CHG'D. TO #15(.180) DRILL 2-25-41
F #15(.180) DRILL CHG'D TO 3/16(.187) DRILL 12-30-41
G -2-3/4 X .049 X 16-24ST AL. ALLOY TUBE SPEC. 44T28 COND'T" WAS "3/4 X .049 AL. ALL. TUBE-SPEC. 44T21 (TYPE A") - ALLOY-17A ADDED "ANNEAL-BENDING" (WT. CHG. NEG.) 6-10-42 BOWERS
H "3/4 X .049 X 16 AL. AL. TUBE SPEC. 44T28 COND'T," WAS "3/4 X .049 X 16 24ST AL. ALLOY---ANNEAL BEFORE BENDING" REMOVED "NOTED" FROM HEAT TREAT BLOCK NO WT. CHG. 9-16-42 SHELTON
E.O. A42282
(2) 3/4 X .049 X 16 AL. AL. TUBE SPEC. 44T28 COND'T" (H)
28W1075
1 1/16 R.
3/4 (REF)
3/16
1 1/16
3/8
3/16 SPHER. RAD. ALL THE WAY AROUND
10
(E) (F) 3/16 (.187) DRILL
AC425D4
BL- BLACK LACQUER
FINISH CODE
[redacted]
C'SINK FLUSH BOTH ENDS
(E) 3/16 (.187) DRILL (F)
(REF.) 3/8 SPHER. R.-BOTH ENDS AS SHOWN
28-5MN & AMN 28W138 2EA.
28-5MC & AMC 28W138 2EA.
28-5MA & MS 28W138 2EA.
PBY-5, 5A & 5B 28W138 2EA.
O.H. MODEL NEXT ASSY. REQ.
PBY-3 & 4 28W138-1
PBY-3 & 4 28W138
PBY-2 28W138-1
PBY-2 28W138
PBY-1 28W138-1
PBY-1 28W138
XP3Y-1 28W138-1
XP3Y-1 28W138
O.H. MODEL NEXT ASSY. REQ.
REQUIREMENTS PER AIRPLANE
AC425D4 2
ST'D PARTS
28W1075 2
28W1072-2 1
PART NO. REQ. LH RH
MAT. PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±.010
APPROVED 2-5-96 DATE
.19 CALC. WT. ACT. WT
SCALE 12"=1'-0"
[redacted]
AC
NAVY NOTED NOTED
MATERIAL SPEC. HEAT TREAT
Z-P-28L FINISH
1-29-36 Mayes 3-5-31 Miller
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME HAND RAIL-WING-CENTER SECTION-TRAILING EDGE
OPP. HAND
DWG. SIZE B 28W1072
SULLIVAN-MORRISON CO., INC. BUFFALO IMPERIAL TRACING CLOTH


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
D. TRACED 5-17-37 H.W.
E WAS .030 ALUM. SHT. H.H. SPEC. 47A2-No HEAT TREAT 11-1-40
F ON FACE OF DWG. ADDED "FINISHED" TO DIM. 2 15/16. ADDED "3 1/4 TRIM ON ASSEMBLY." INDICATED "TRIMLINE" ON SIDE VIEW. NO WT. CHG. 4-4-42
A
A
1 R.
1 1/4 R.
1 7/16 R.
(2 15/16 FINISHED)
F
3 1/4 TRIM ON ASSEMBLY
13/32
SECTION A-A
1 5/16
11/16 R.
3/16 R.
3/32 R.
TRIM LINE F
3/32
9/16
3/8
1/8
1/4
1/16 R. (APP.)
5/8 R.
1/16 R.
3/4
13/16
7/16
3/16 R.
1/2 R. (INSIDE)
10
BL-BLACK LACQUER
FINIS
Z ANODIC TR.
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
28-5MA 28W138 2
28-5MC
28-5ME
28-5MN
28-5AMC
PBY-5B
28-5AMN 28W138 2
PBY-5&5A 28W138 2EA
PBY-3,4 28W138-1
PBY-3,4 28W138
PBY-2 28W138-1
PBY-2 28W138
XP3Y-1 28W138-1
XP3Y-1 28W138
PBY-1 28W138-1
PBY-1 28W138
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
LCW 5-17-37
APPROVED DATE
.18
CALC.WT.
ACT.WT.
O.H.
MODEL
NEXT ASSY.
REQ.
ST'D PARTS
LH RH REQ.
PART NO.
LH RH REQ.
SCALE 12"=1'-0"
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
AC
NAVY .032ALC. 24SO
47A2 COND. A
SR-58 COND. T
Z-P-2 BL
MATERIAL
SPEC.
HEAT TREAT
FINISH
MAYES MILLER
1-29-36 5-28-37
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
TROUGH-WING HAND RAIL-TRAILING EDGE
OPP. HAND
B 28W1073

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
A	TRACED	3-4-37	Bush
B	3 1/16 WAS 3 5/8	3-25-37	SMALL
C	2 21/32 WAS 2 27/32	" " "	"
D	.070 DIM. ADDED	4-19-37	Halsey
E	REMOVED CUTOUT	7-13-37	NELSON
F	CH'G. 3 7/16 TO 3 5/8 & 2 21/32 TO 2 25/32	11-5-40	Floyd
G	.125 DIM. WAS .070 - NEG. WT. CHG.	6-10-42	HINES
H	CHG'D. .125 JOGGLE DIM. CALL		
	OUT. NO WT. CHG.	6-22-42	HINES
J	REMOVED 2 25/32 & 19/32 DIM.		
	3 9/16 DIM. WAS 3 5/8. NO WT. CHG.	7-3-43	Brown

PBY-5

FINISH CODE	
Z	ANODIC TREATMENT
P	P 27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE

NOTE :- LOCATE SLOT ON ASS'Y. TO MATCH SLOT IN SKIN.

NOTE :- CORNERS OF ALL CUTOUTS 1/16 R. BEND RADII 1/8

FINISH -
Z-P-GP FOR PBY-1
Z-P-GP FOR PBY2 & FUTURE

O.H.	MODEL	NEXT ASSY.	REQ.
-R	PBY-5&5A	28W3017	1
L	PBY-5&5A	28W3017	1
-R	PBY-5B	28W5503	1
-L	PBY-5B	28W5503	1
L&R	28-5AMN	28W5503	1
L&R	28-5AMC	28W5503	1
L&R	28-5ME, MN	28W5503	1
L&R	28-5MAMC	28W5503	1

REQUIREMENTS PER AIRPLANE

ST'D PARTS	REQ. LH	REQ. RH	PART NO.	REQ. LH	REQ. RH

MAT. — PARTS LIST PER ASSY.

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 ± 1/2°

APPROVED 6-24-36 DATE
.08 CALC. WT. ACT. WT.
SCALE 12" = 1' 0"

MATERIAL	SPEC.	HEAT TREAT	FINISH	DRAFT	CHECK	EXAM.	ENG.
NAVY AL ALLOY SH'T	47A10 COND. "A" ALLOY 24 A	AERO, SR53	NOTED	6-18-36 / 3-5-38	Anderson	Miller	

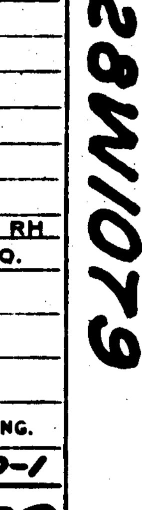
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.

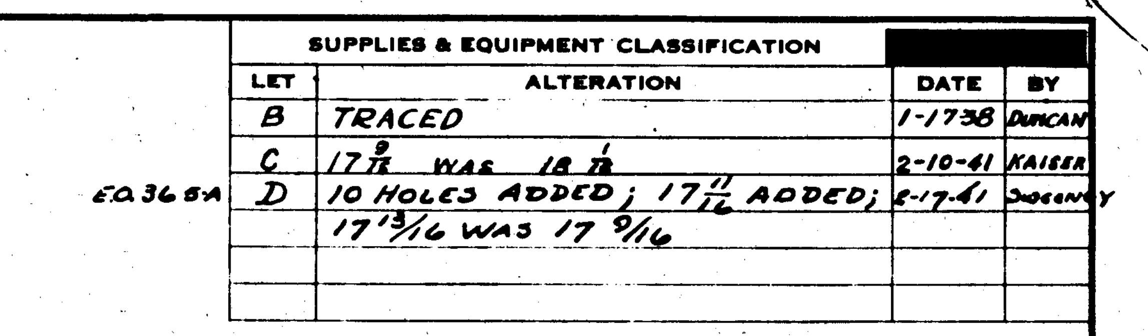
STAMP PT. No. WHERE SHOWN

NAME GUSSET-WING-WORK PLATFORM ATTACH-LEADING EDGE -

OPP. HAND 28W1079-1

DWG. SIZE B 28W1079

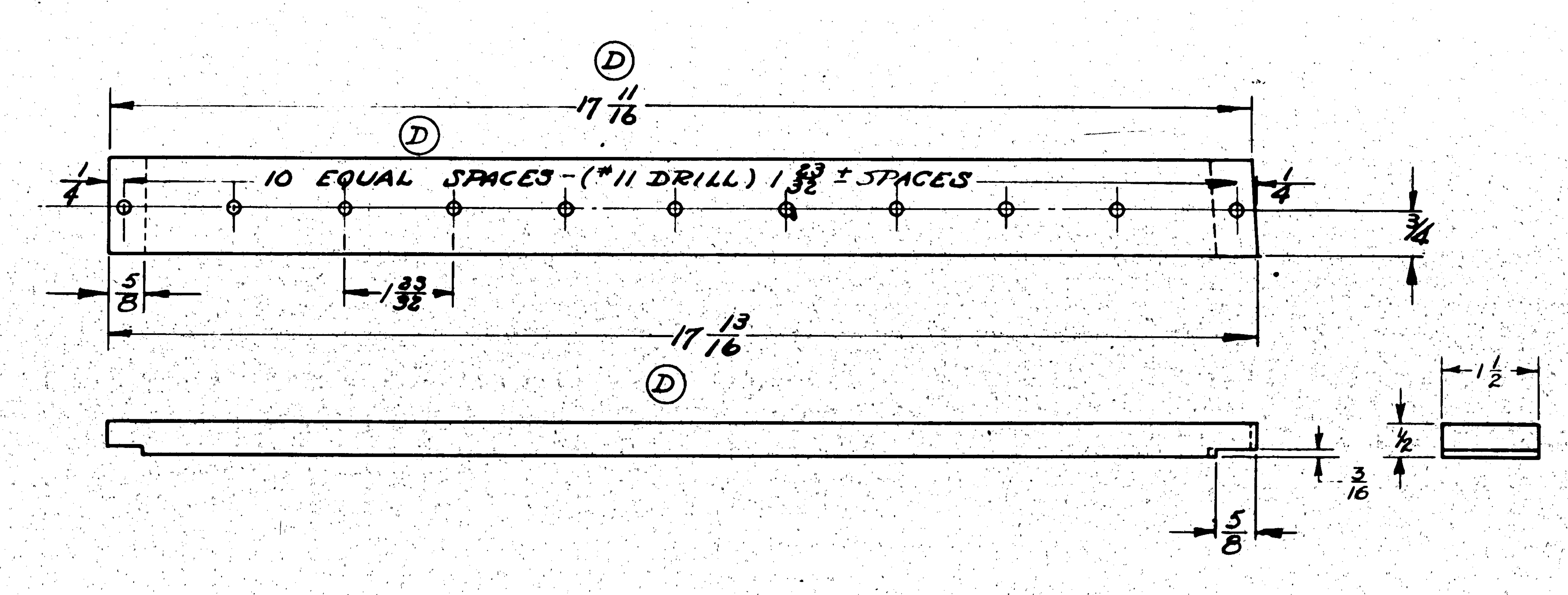




SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
B	TRACED	1-17-38	DUNCAN
C	17 9/16 WAS 18 1/16	2-10-41	KAISER
D	10 HOLES ADDED; 17 11/16 ADDED; 17 13/16 WAS 17 9/16	2-17-41	SWEENEY

EO.365-A



SP-GREEN PRIME

FINISH CODE	
Z	ANODIC TREAT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

MODEL	NEXT ASSY.	REQ.
PBY-5B	28W2024	1
PBY-5A	28W2024	1
PBY-5	28W2024	1
PBY-4	28W2024	1
PBY-3	28W2024	1
PBY-2	28W2024	1

O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ. | LH RH REQ. | LH RH REQ. | LH RH REQ. | LH RH REQ.

REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.

REPLACES	ZCW APPROVED	9-22-37 DATE
REPLACED BY	3.86 J.B.I. CALC. WT.	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	6" = 1'0" SCALE	

[redacted]

AC				
NAVY COLD ROLLED #1035 STL. BAR	46S22	NONE	C-P-2	
MATERIAL	SPEC.	HEAT TREAT	FINISH	

9-22-37 ZERBE	J.L.W.	MOFFAT	
DRAFT	CHECK	EXAM.	ENG.

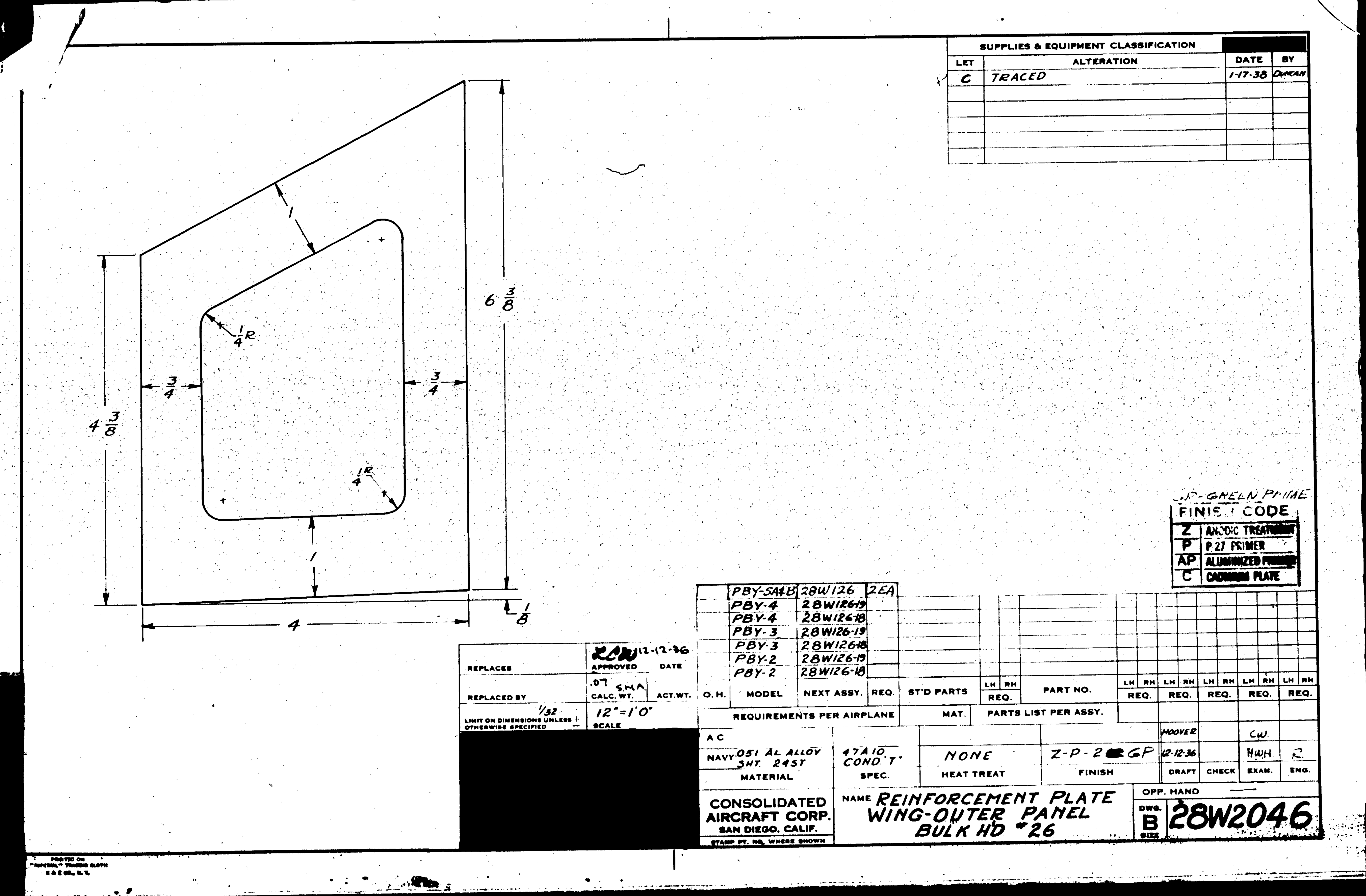
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN

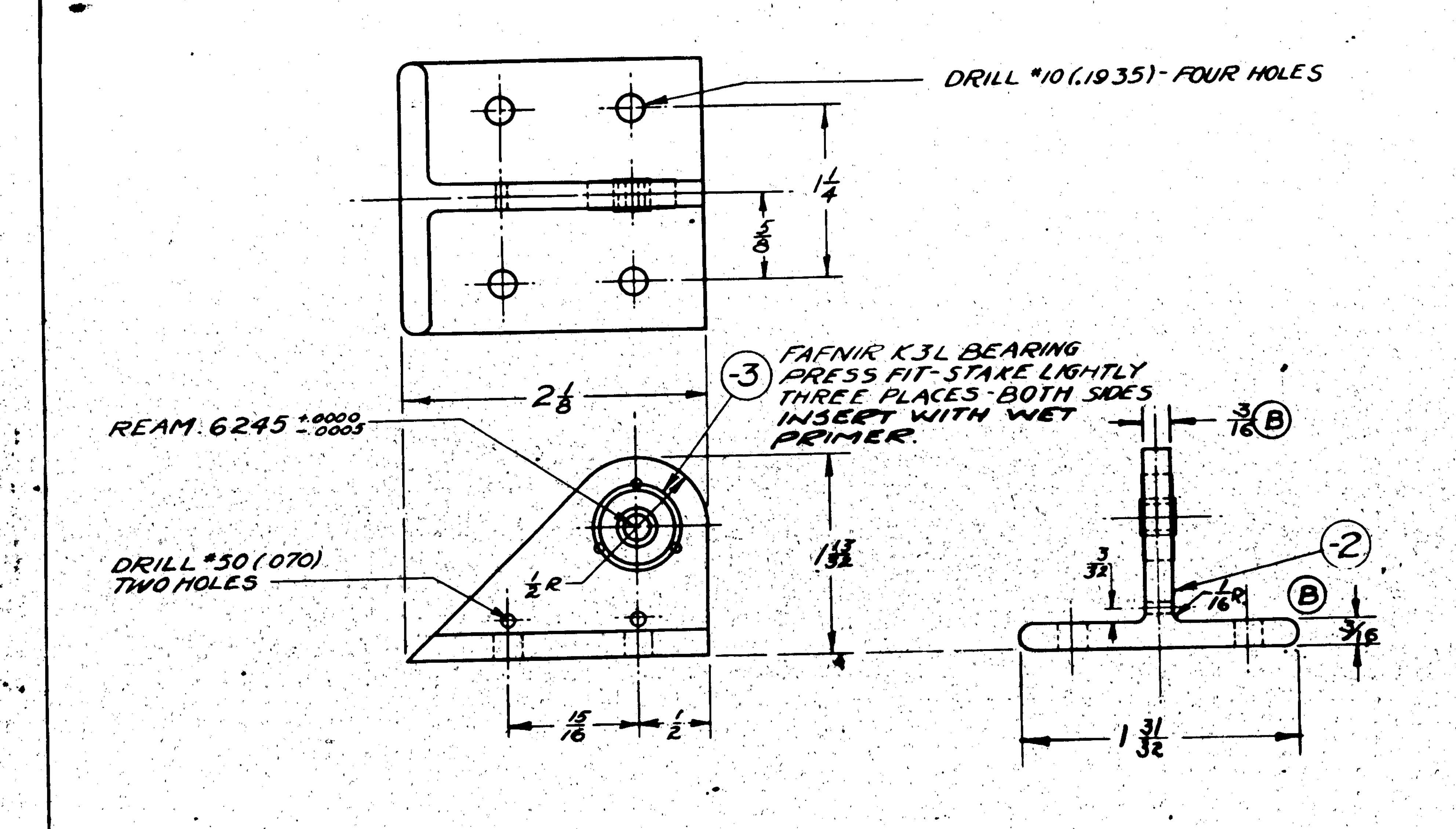
NAME COUNTERWEIGHT - WING - AILERON

OPP. HAND

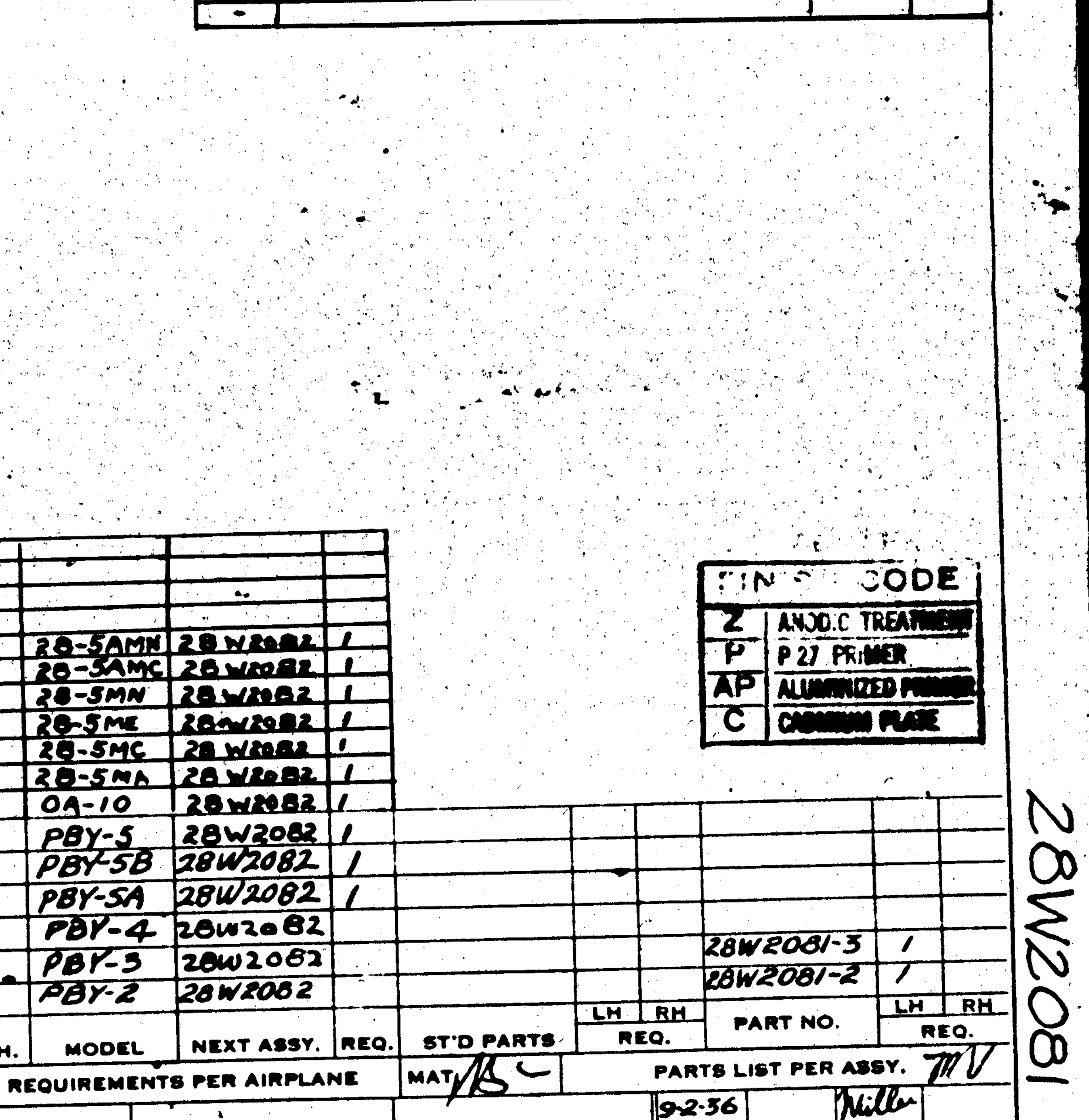
DWG. B SIZE 28W2023

PRINTED ON "IMPERIAL" TRACING CLOTH


SUPPLIES & EQUIPMENT CLASSIFICATION
[redacted]
LET | ALTERATION | DATE | BY
C | TRACED | 1-17-38 | DUNCAN
6 3/8
1
1/4 R
3/4
3/4
4 3/8
1/4 R
1
4
1/8
GP-GREEN PRIME
FINISH CODE
Z ANODIC TREATMENT
P P 27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
PBY-5A&B 28W126 2EA
PBY-4 28W126-19
PBY-4 28W126-18
PBY-3 28W126-19
PBY-3 28W126-18
PBY-2 28W126-19
PBY-2 28W126-18
O. H. MODEL NEXT ASSY. REQ.
ST'D PARTS LH RH REQ. PART NO.
LH RH REQ. LH RH REQ. LH RH REQ. LH RH REQ. LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT. PARTS LIST PER ASSY.
REPLACES
LCW 12-12-36
APPROVED DATE
REPLACED BY
.07 SHA
CALC. WT. ACT. WT.
1/32
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
12" = 1'0"
SCALE
[redacted]
A C
NAVY 051 AL ALLOY SHT. 24ST
MATERIAL
47A10 COND. "T"
SPEC.
NONE
HEAT TREAT
Z-P-2 GP
FINISH
HOOVER
12-12-36
DRAFT CHECK
C.W.
HWH
EXAM.
R.
ENG.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN
NAME REINFORCEMENT PLATE
WING-OUTER PANEL
BULK HD #26
DWG. B SIZE
28W2046
PRINTED ON "IMPERIAL" TRACING CLOTH



SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
A	TRACED	8-19-37	G.H.D
B	ON FACE OF DWG., REMOVED "MAKE FROM AL. ALLOY EXTRUSION 24ST ALCOA DIE KB684-SPEC. 96A9 COND. T. NO HEAT TREAT." & ADDED MAT'L. NOTE: #1. BR'T. AIR/REQ'TS TO DATE. NO WT. CHG.	9-21-53	



FINISH CODE	
Z	ANODIC TREATMENT
P	P 27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

O.H.	MODEL	NEXT ASSY.	REQ.
	28-5AMN	28W2082	1
	28-5AMC	28W2082	1
	28-5MN	28W2082	1
	28-5ME	28W2082	1
	28-5MC	28W2082	1
	28-5MA	28W2082	1
	OA-10	28W2082	1
	PBY-5	28W2082	1
	PBY-5B	28W2082	1
	PBY-5A	28W2082	1
	PBY-4	28W2082	
	PBY-3	28W2082	
	PBY-2	28W2082	

REQUIREMENTS PER AIRPLANE

ST'D PARTS	REQ. LH	REQ. RH	PART NO.	REQ. LH	REQ. RH
			28W2081-3	1	
			28W2081-2	1	

MAT. [signature] — PARTS LIST PER ASSY. [initials]

(B)
NOTES -
1. MATERIAL NOTE:
(A) K760, 24ST AL. ALLOY EXTR., SPEC. QQ-A-354-T, OR
(B) K760, 14ST AL. ALLOY EXTR., SPEC. AN-A-8-T.

REPLACES	
REPLACED BY	
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	± .015
[redacted]	

APPROVED	8-19-37 DATE
CALC. WT. .13	ACT. WT.
SCALE 12 in = 1 ft	
AC	
NAVY NOTED	

MATERIAL	SPEC.	HEAT TREAT	FINISH
NOTED	NOTED	NOTED	Z-P-GP

DRAFT	CHECK	EXAM.	ENG.
9-2-36 ZERBE		Miller	

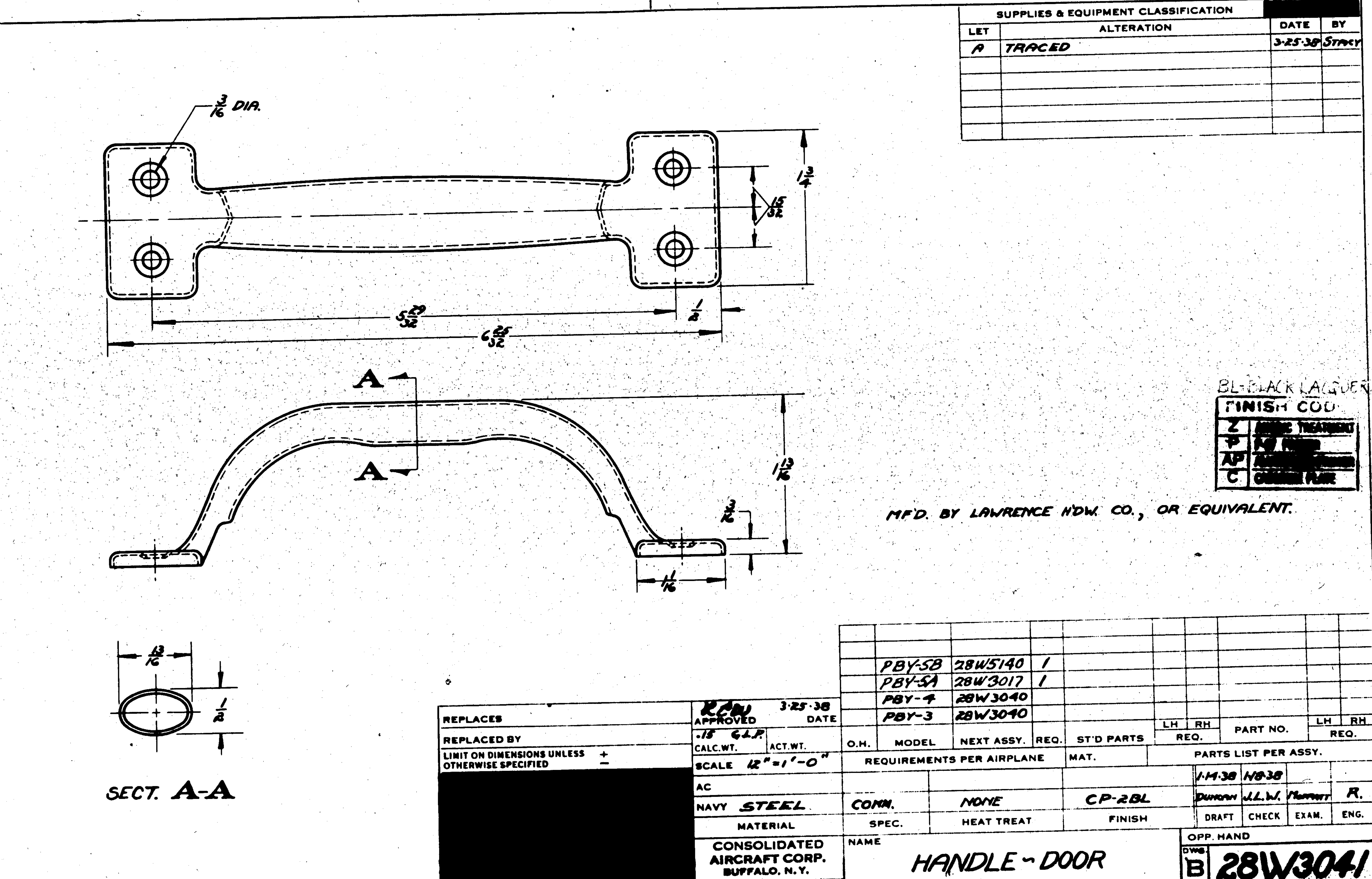
OPP. HAND

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN

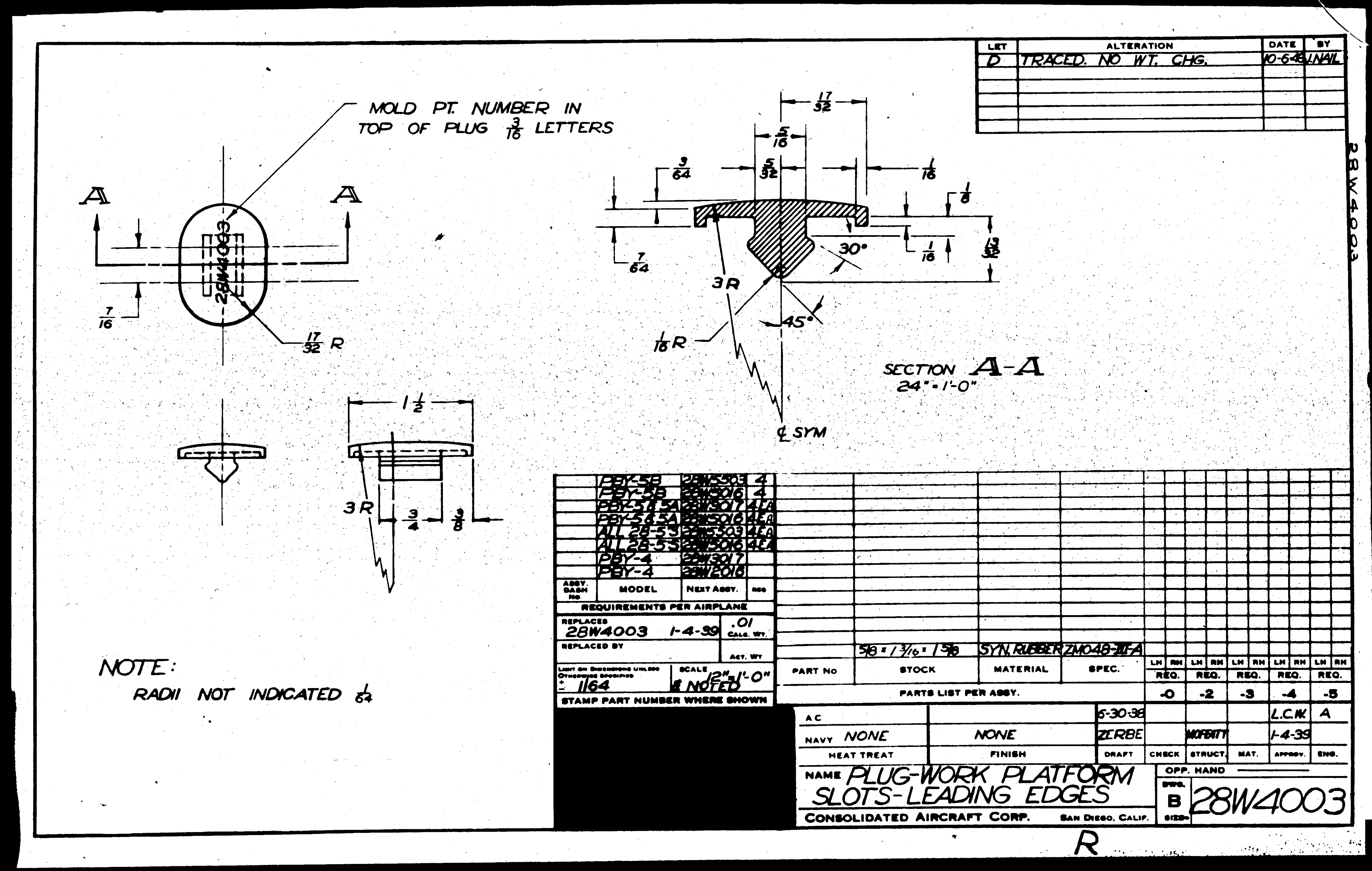
NAME BEARING BRACKET ASSY - TAB-AILERON

DWG. SIZE B — 28W2081

28W2081

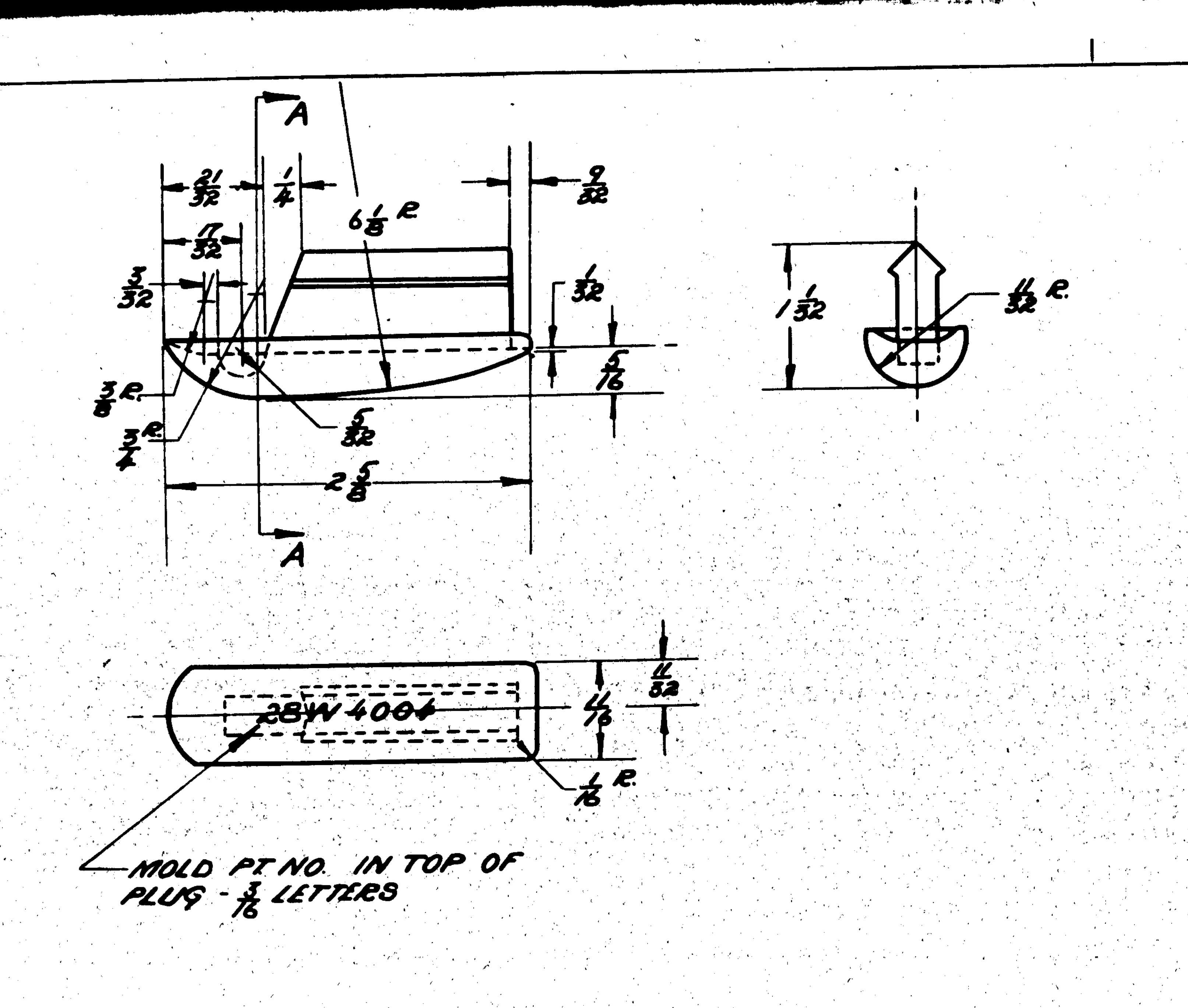


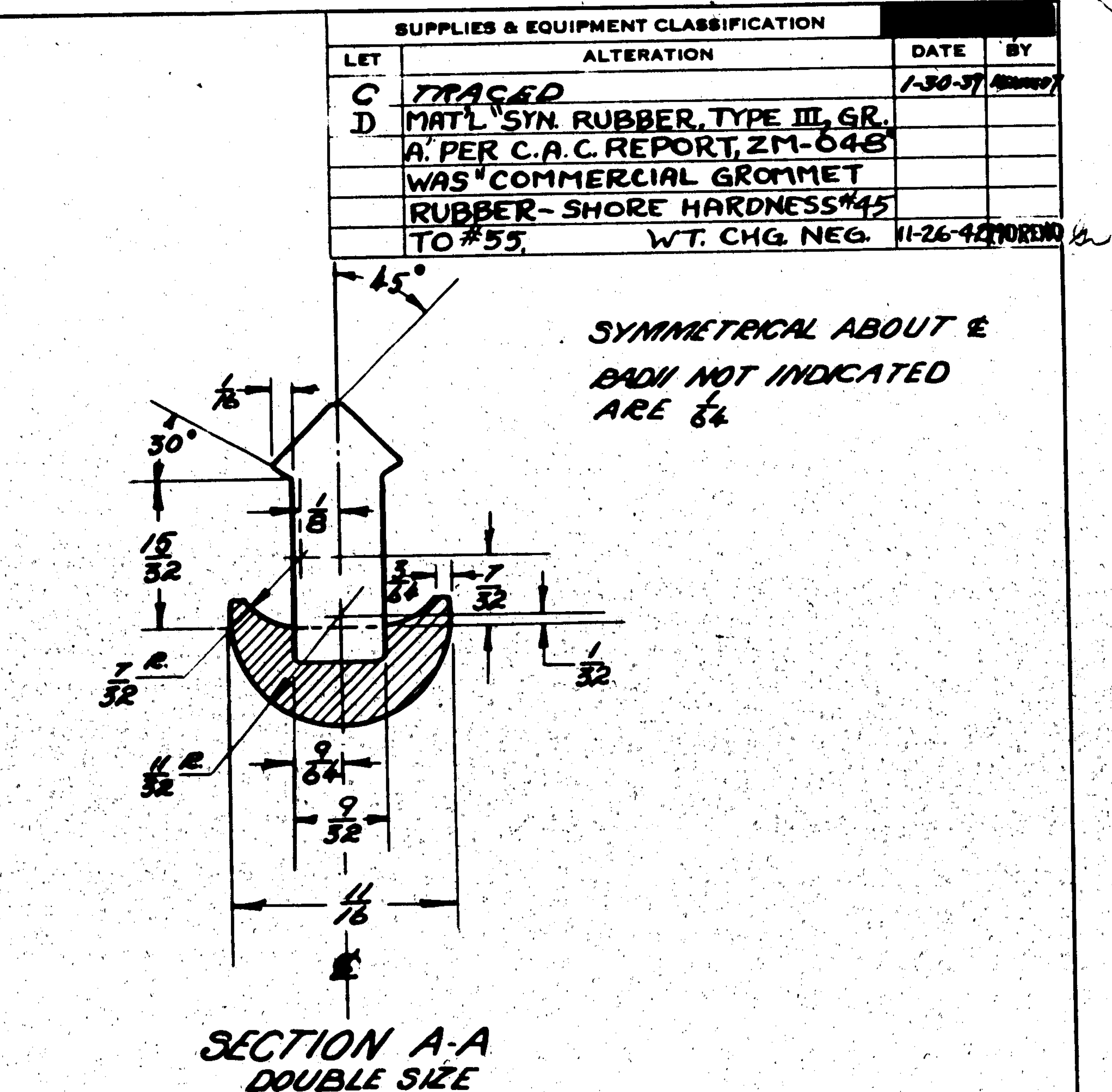
SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
A
TRACED
3-25-38
STACY
3/16 DIA.
1 3/4
15/32
5 29/32
1/8
6 25/32
A
A
1 13/16
3/16
1 1/16
13/16
1/8
SECT. A-A
BL-BLACK LACQUER
FINISH CODE
Z [redacted]
P [redacted]
AP [redacted]
C [redacted]
MFD. BY LAWRENCE HDW. CO., OR EQUIVALENT.
PBY-5B 28W5140 1
PBY-5A 28W3017 1
PBY-4 28W3040
PBY-3 28W3040
O.H.
MODEL
NEXT ASSY.
REQ.
ST'D PARTS
LH RH REQ.
PART NO.
LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED +
[redacted]
APPROVED 3-25-38 DATE
.15 G.L.P.
CALC.WT.
ACT.WT.
SCALE 12" = 1'-0"
AC
NAVY STEEL
MATERIAL
COMM.
SPEC.
NONE
HEAT TREAT
CP-2BL
FINISH
1-14-38
1-18-38
DUNCAN
J.L.W.
DRAFT
CHECK
EXAM.
R.
ENG.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
HANDLE - DOOR
DWG. B SIZE
28W3041
SULLIVAN-McKENNAN CO., INC. BUFFALO
IMPERIAL TRACING CLOTH



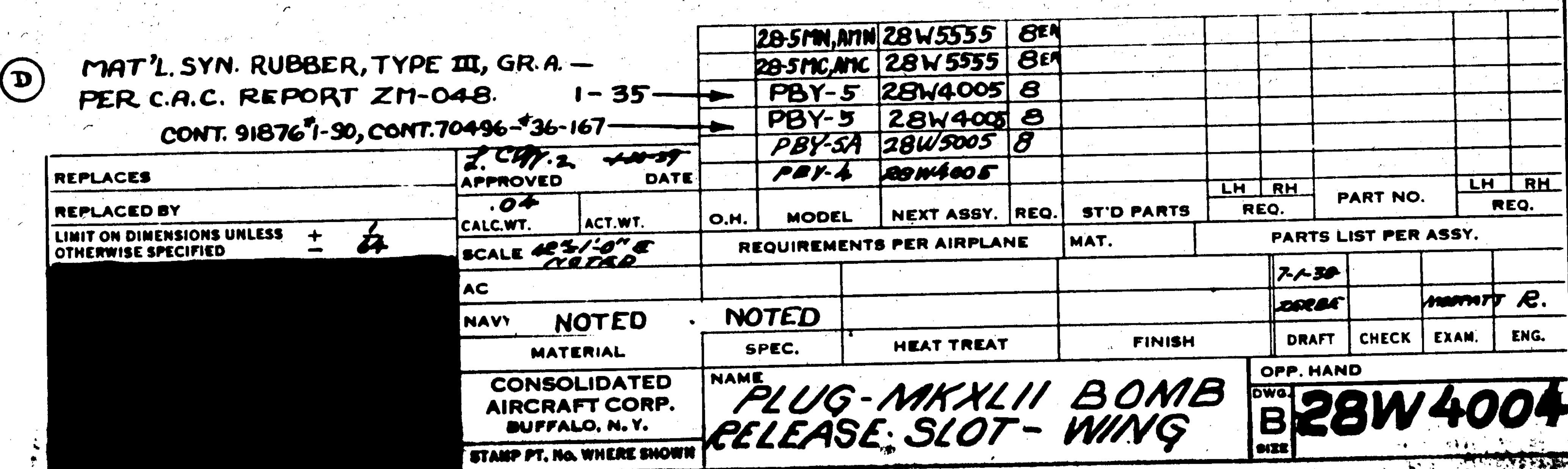
LET
ALTERATION
DATE
BY
D
TRACED. NO WT. CHG.
10-6-43
J. NAIL
MOLD PT. NUMBER IN TOP OF PLUG 3/16 LETTERS
A
A
28W4003
7/16
17/32 R
17/32
5/16
5/32
3/64
1/16
1/8
7/64
1/16
13/32
30°
3 R
45°
1/16 R
℄ SYM
SECTION A-A
24" = 1'-0"
1 1/2
3 R
3/4
3/8
NOTE:
RADII NOT INDICATED 1/64
PBY-5B
28W5503
4
PBY-5B
28W5016
4
PBY-5 & 5A
28W3017
4 EA
PBY-5 & 5A
28W5016
4 EA
ALL 28-5S
28W5503
4 EA
ALL 28-5S
28W5016
4 EA
PBY-4
28W3017
PBY-4
28W2016
ASSY. DASH NO
MODEL
NEXT ASSY.
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
28W4003
1-4-39
.01
CALC. WT.
REPLACED BY
ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/64
SCALE
12" = 1'-0" & NOTED
STAMP PART NUMBER WHERE SHOWN
5/8 × 1 3/16 × 1 5/8
SYN. RUBBER
ZM048-III-A
PART No
STOCK
MATERIAL
SPEC.
LH
RH
REQ.
PARTS LIST PER ASSY.
-0
-2
-3
-4
-5
AC
6-30-38
L.C.W.
A
NAVY
NONE
NONE
ZERBE
MOFFITT
1-4-39
HEAT TREAT
FINISH
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
NAME
PLUG-WORK PLATFORM SLOTS-LEADING EDGES
OPP. HAND
DWG. SIZE
B
28W4003
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
R

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
C	TRACED	1-30-39	[illegible]
D	MAT'L "SYN. RUBBER, TYPE III, GR. A" PER C.A.C. REPORT, ZM-048" WAS "COMMERCIAL GROMMET RUBBER - SHORE HARDNESS #45 TO #55. WT. CHG. NEG.	11-26-42	MOREHO





D MAT'L. SYN. RUBBER, TYPE III, GR. A. — PER C.A.C. REPORT ZM-048. 1-35
CONT. 91876 #1-90, CONT. 70496-#36-167



O.H.	MODEL	NEXT ASSY.	REQ.
	28-5MN, AMN	28W5555	8 ER
	28-5MC, AMC	28W5555	8 ER
	PBY-5	28W4005	8
	PBY-5	28W4005	8
	PBY-5A	28W5005	8
	PBY-6	28W4005	

REQUIREMENTS PER AIRPLANE

ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.

MAT. — PARTS LIST PER ASSY.

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64

[redacted]

APPROVED L. C[illegible] 2 — DATE 1-30-39
CALC. WT. .04 — ACT. WT.
SCALE 12"=1'-0" & NOTED
AC
NAVY NOTED — NOTED
MATERIAL — SPEC. — HEAT TREAT — FINISH

DRAFT	CHECK	EXAM.	ENG.
7-1-38 DERBES		MOFFATT R.	

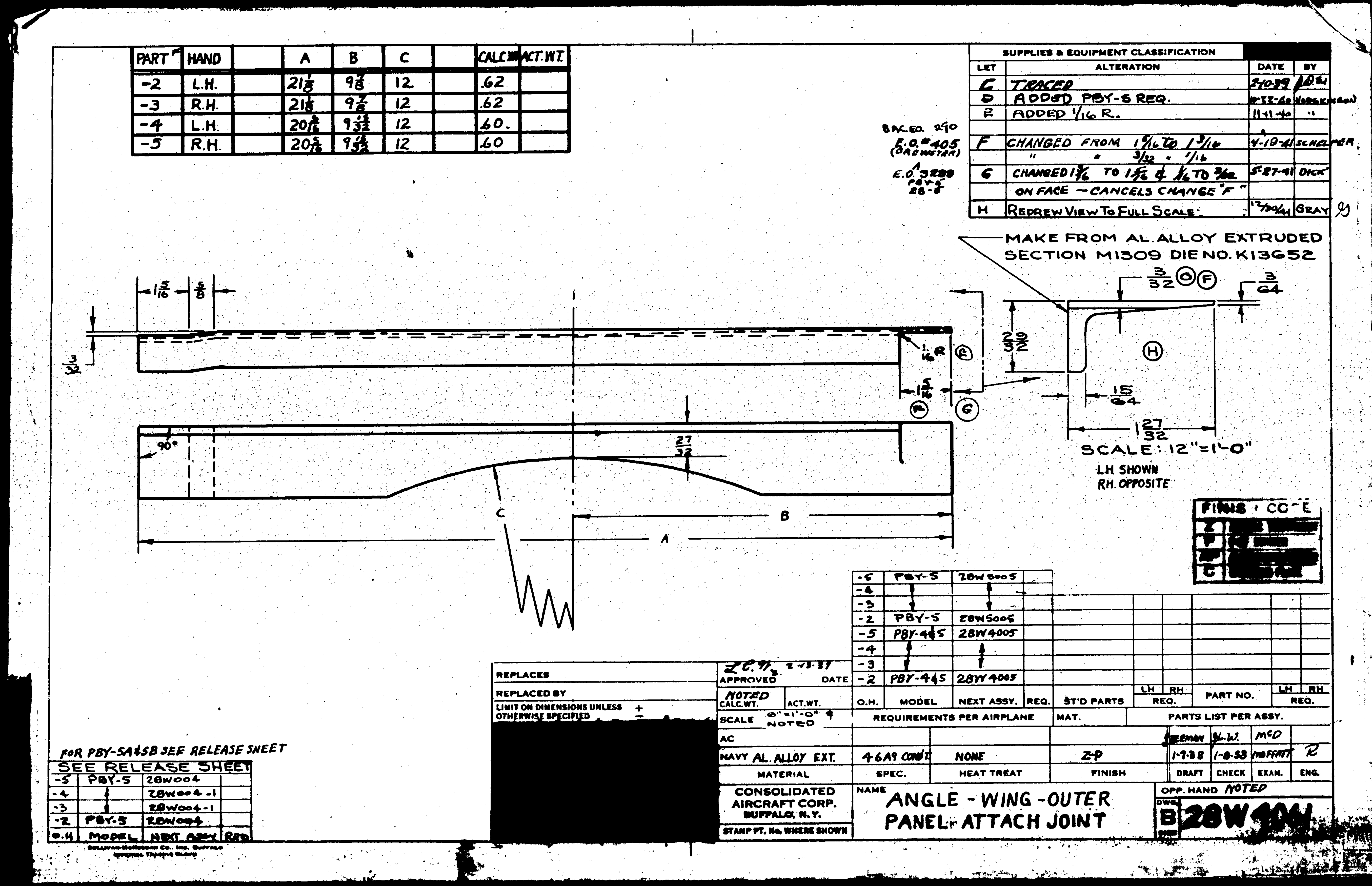
OPP. HAND

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

STAMP PT. No. WHERE SHOWN

NAME PLUG - MK XLII BOMB RELEASE SLOT - WING

DWG. SIZE B 28W4004



PART	HAND		A	B	C		CALC WT.	ACT. WT.
-2	L.H.		21 1/8	9 7/8	12		.62	
-3	R.H.		21 1/8	9 7/8	12		.62	
-4	L.H.		20 5/16	9 13/32	12		.60	
-5	R.H.		20 5/16	9 13/32	12		.60	

SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
C	TRACED	2-10-39	
D	ADDED PBY-5 REQ.	11-22-40	HODGKINSON
E	ADDED 1/16 R.	11-11-40	"
F	CHANGED FROM 1 5/16 TO 1 3/16 " " 3/32 " 1/16	4-18-41	SCHELPER
G	CHANGED 1 3/16 TO 1 5/16 & 1/16 TO 3/32 ON FACE — CANCELS CHANGE "F"	5-27-41	DICK
H	REDREW VIEW TO FULL SCALE	12/30/41	GRAY

FINISH CODE

[redacted]	[redacted]

SEE RELEASE SHEET

-5	PBY-5	28W004	
-4	↑	28W004-1	
-3		28W004-1	
-2	PBY-5	28W004	
O.H.	MODEL	NEXT ASSY.	REQ.

O.H.	MODEL	NEXT ASSY.	REQ.
-5	PBY-5	28W5005	
-4	↑	↑	
-3	↓	↓	
-2	PBY-5	28W5005	
-5	PBY-4&5	28W4005	
-4	↑	↑	
-3	↓	↓	
-2	PBY-4&5	28W4005	

REQUIREMENTS PER AIRPLANE

ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.

PARTS LIST PER ASSY.

REPLACES

REPLACED BY

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±

[redacted]

APPROVED: 2-13-39 DATE

CALC. WT.: NOTED — ACT. WT.

SCALE: 6"=1'-0" & NOTED

AC

MATERIAL	SPEC.	HEAT TREAT	FINISH	DRAFT	CHECK	EXAM.	ENG.
NAVY AL. ALLOY EXT.	46A9 COND.T	NONE	Z-P	SHERMAN 1-7-38	G.W. 1-8-38	McD MOFFATT	R

MAT.

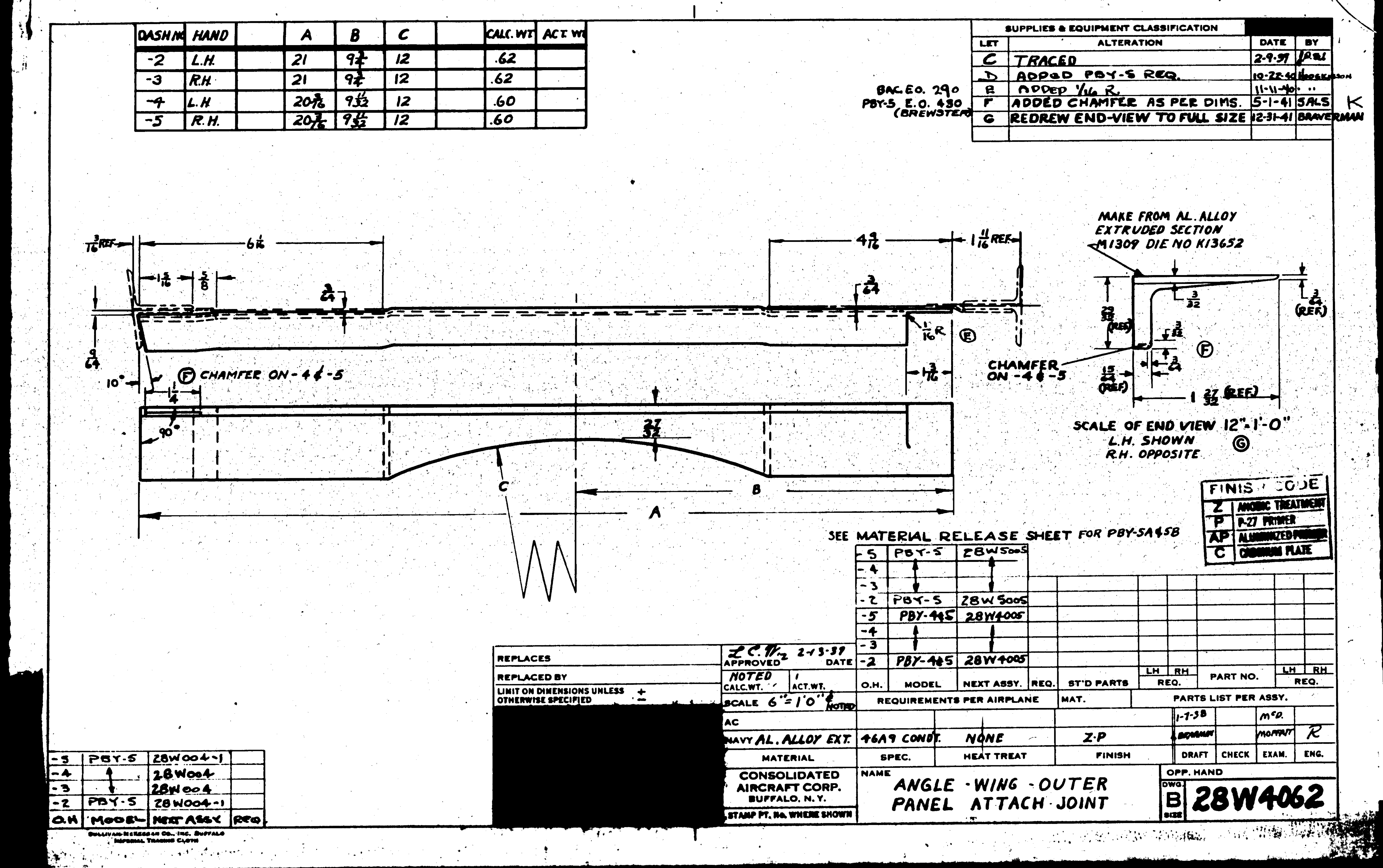
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

STAMP PT. No. WHERE SHOWN

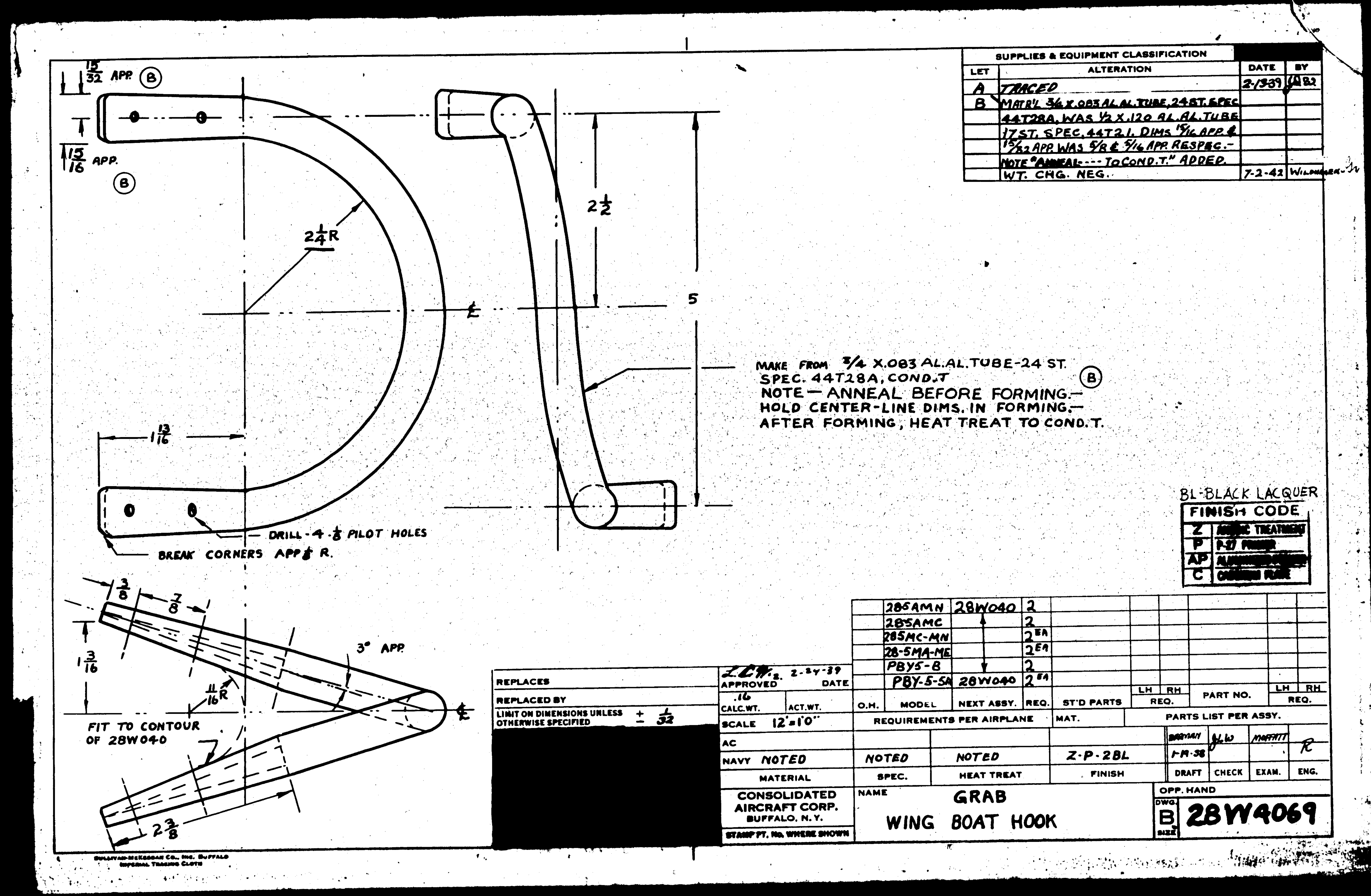
NAME: ANGLE - WING - OUTER PANEL ATTACH JOINT

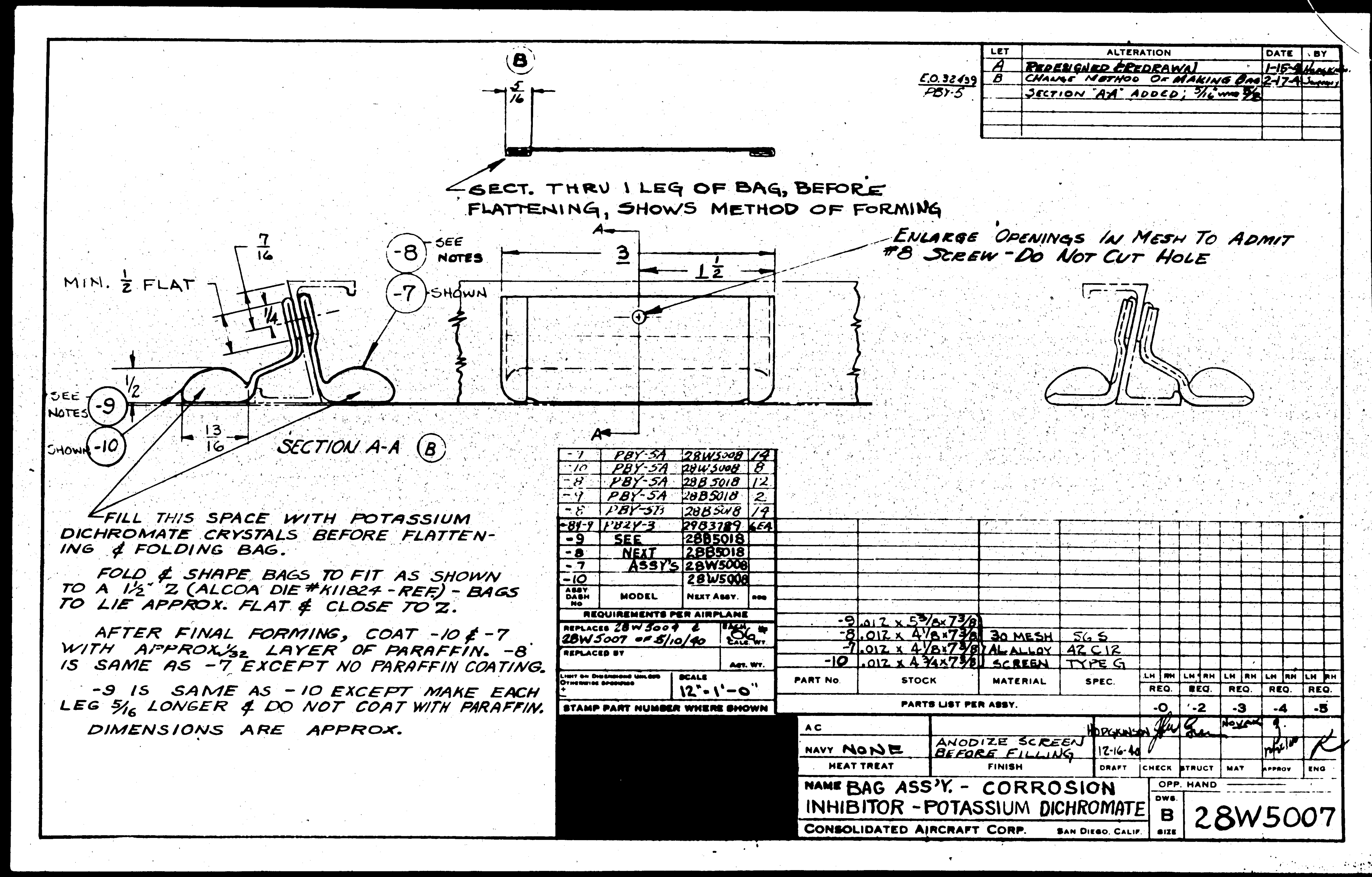
OPP. HAND NOTED

DWG. B 28W4004

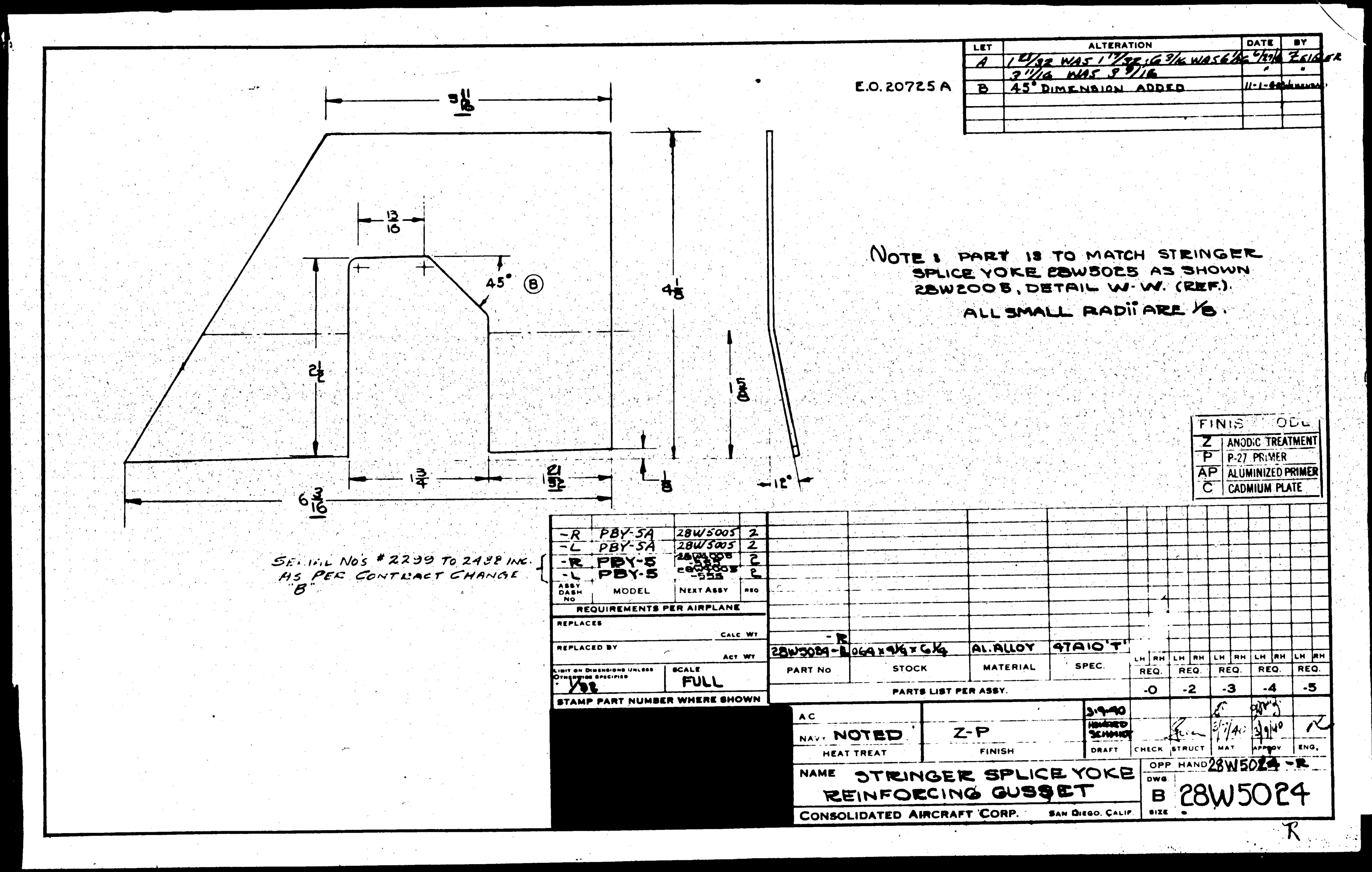


DASH NO | HAND | A | B | C | CALC. WT | ACT. WT
-2 | L.H. | 21 | 9 7/8 | 12 | .62
-3 | R.H. | 21 | 9 7/8 | 12 | .62
-4 | L.H. | 20 3/16 | 9 11/32 | 12 | .60
-5 | R.H. | 20 3/16 | 9 11/32 | 12 | .60
SUPPLIES & EQUIPMENT CLASSIFICATION [redacted]
LET | ALTERATION | DATE | BY
C | TRACED | 2-9-39
D | ADDED PBY-5 REQ. | 10-22-40
E | ADDED 1/16 R. | 11-11-40
F | ADDED CHAMFER AS PER DIMS. | 5-1-41 | SALS
G | REDREW END-VIEW TO FULL SIZE | 12-31-41 | BRAVERMAN
BAC. E.O. 290
PBY-5 E.O. 430 (BREWSTER)
MAKE FROM AL. ALLOY EXTRUDED SECTION M1309 DIE NO K13652
CHAMFER ON -4 & -5
SCALE OF END VIEW 12" = 1'-0"
L.H. SHOWN
R.H. OPPOSITE
CHAMFER ON -4 & -5
SEE MATERIAL RELEASE SHEET FOR PBY-5A & 5B
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
-5 | PBY-5 | 28W5005
-4
-3
-2 | PBY-5 | 28W5005
-5 | PBY-4&5 | 28W4005
-4
-3
-2 | PBY-4&5 | 28W4005
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | REQ. | PART NO. | REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
[redacted]
APPROVED 2-13-39 DATE
NOTED CALC.WT. ACT.WT.
SCALE 6" = 1'0" NOTED
NAVY AL. ALLOY EXT. | 46A9 COND. T | NONE | Z-P
MATERIAL | SPEC. | HEAT TREAT | FINISH | DRAFT | CHECK | EXAM. | ENG.
1-7-38
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME ANGLE - WING - OUTER PANEL ATTACH JOINT
OPP. HAND
DWG. SIZE B 28W4062
-5 | PBY-5 | 28W004-1
-4 | 28W004
-3 | 28W004
-2 | PBY-5 | 28W004-1
O.H. | MODEL | NEXT ASSY. | REQ.
SULLIVAN-McKEEGAN CO., INC. BUFFALO IMPERIAL TRACING CLOTH

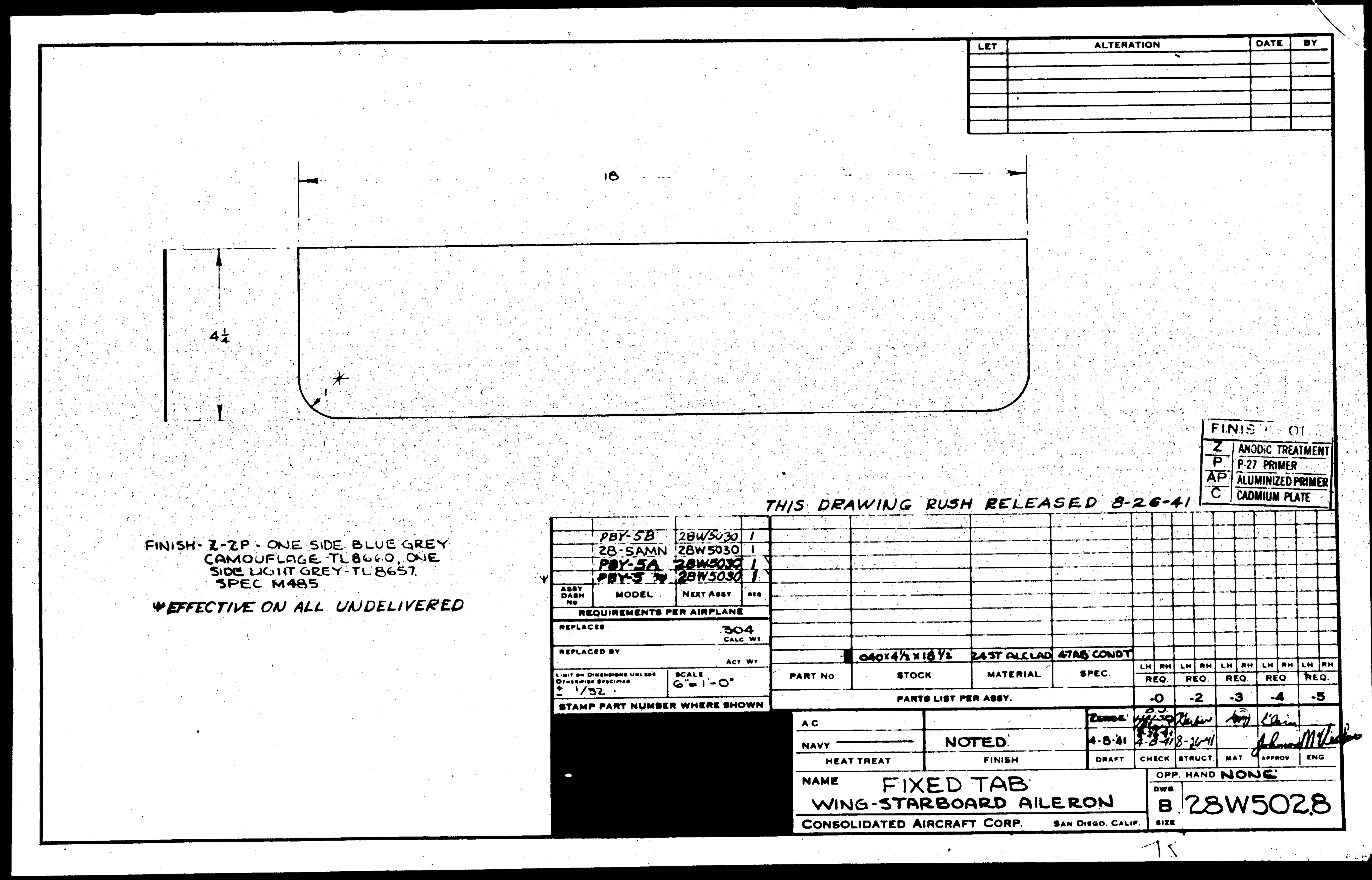

SUPPLIES & EQUIPMENT CLASSIFICATION
[redacted]
LET | ALTERATION | DATE | BY
A TRACED 2-1939
B MATR'L 3/4 X.083 AL.AL.TUBE, 24ST. SPEC 44T28A. WAS 1/2 X.120 AL.AL.TUBE 17ST. SPEC. 44T21. DIMS 15/16 APP. & 15/32 APP. WAS 5/8 & 5/16 APP. RESPEC.- NOTE "ANNEAL---TO COND.T." ADDED.
WT. CHG. NEG. 7-2-42
15/32 APP. (B)
15/16 APP. (B)
2 1/4 R
2 1/2
5
℄
1 13/16
DRILL - 4 - 1/8 PILOT HOLES
BREAK CORNERS APP 1/8 R.
MAKE FROM 3/4 X.083 AL.AL.TUBE-24 ST. SPEC. 44T28A, COND.T (B)
NOTE — ANNEAL BEFORE FORMING.—
HOLD CENTER-LINE DIMS. IN FORMING.—
AFTER FORMING, HEAT TREAT TO COND.T.
BL-BLACK LACQUER
FINISH CODE
3/8
7/8
1 3/16
3° APP.
11/16 R
FIT TO CONTOUR OF 28W040
2 3/8
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
[redacted]
APPROVED 2-24-39 DATE
.16 CALC.WT. ACT.WT.
SCALE 12"=1'0"
AC
NAVY NOTED
MATERIAL
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
28SAMN 28W040 2
28SAMC 2
28SMC-MN 2 EA
28-5MA-ME 2 EA
PBY5-B 2
PBY-5-5A 28W040 2 EA
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
NOTED NOTED Z-P-2BL
SPEC. HEAT TREAT FINISH
DRAFT CHECK EXAM. ENG.
OPP. HAND
NAME GRAB WING BOAT HOOK
DWG. B SIZE 28W4069
SULLIVAN-McKESSON CO., INC. BUFFALO IMPERIAL TRACING CLOTH



LET
ALTERATION
DATE
BY
A
REDESIGNED & REDRAWN
1-15-4
B
CHANGE METHOD OF MAKING BAG
2-17-4
SECTION "A-A" ADDED; 5/16" WAS 5/8
E.O. 32439
PBY-5
B
5/16
SECT. THRU 1 LEG OF BAG, BEFORE FLATTENING, SHOWS METHOD OF FORMING
A
3
1 1/2
ENLARGE OPENINGS IN MESH TO ADMIT #8 SCREW - DO NOT CUT HOLE
7/16
MIN. 1/2 FLAT
1/4
-8 SEE NOTES
-7 SHOWN
1/2
SEE NOTES -9
SHOWN -10
13/16
SECTION A-A (B)
FILL THIS SPACE WITH POTASSIUM DICHROMATE CRYSTALS BEFORE FLATTENING & FOLDING BAG.
FOLD & SHAPE BAGS TO FIT AS SHOWN TO A 1 1/2" Z (ALCOA DIE #K11824-REF.) - BAGS TO LIE APPROX. FLAT & CLOSE TO Z.
AFTER FINAL FORMING, COAT -10 & -7 WITH APPROX. 1/32 LAYER OF PARAFFIN. -8 IS SAME AS -7 EXCEPT NO PARAFFIN COATING.
-9 IS SAME AS -10 EXCEPT MAKE EACH LEG 5/16 LONGER & DO NOT COAT WITH PARAFFIN.
DIMENSIONS ARE APPROX.
-7 PBY-5A 28W5008 14
-10 PBY-5A 28W5008 8
-8 PBY-5A 28B5018 12
-9 PBY-5A 28B5018 2
-8 PBY-5B 28B5018 14
-8 & -9 PB2Y-3 29B3789 6EA
-9 SEE 28B5018
-8 NEXT 28B5018
-7 ASSY'S 28W5008
-10 28W5008
ASSY DASH NO
MODEL
NEXT ASSY.
REQ
REQUIREMENTS PER AIRPLANE
REPLACES 28W5004 & 28W5007 OF 5/10/40
EACH .06 # CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
-9 .012 x 5 3/8 x 7 3/8
-8 .012 x 4 1/8 x 7 3/8
-7 .012 x 4 1/8 x 7 3/8
-10 .012 x 4 3/4 x 7 3/8
30 MESH AL. ALLOY SCREEN
56 S 42 C 1/2 TYPE G
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
-0 -2 -3 -4 -5
PARTS LIST PER ASSY.
AC
NAVY NONE
HEAT TREAT
ANODIZE SCREEN BEFORE FILLING
FINISH
HOPGKINSON
12-16-40
NOVAK
DRAFT
CHECK
STRUCT
MAT
APPROV
ENG
NAME BAG ASS'Y. - CORROSION INHIBITOR - POTASSIUM DICHROMATE
OPP. HAND
DWG. SIZE B
28W5007
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



LET | ALTERATION | DATE | BY
A | 1 21/32 WAS 1 19/32; 6 3/16 WAS 6 1/16; 3 11/16 WAS 3 9/16 | 6/27/40 | ZEIGLER
B | 45° DIMENSION ADDED | 11-1-40
E.O. 20725 A
5 11/16
13/16
45° (B)
4 1/8
2 1/2
1 CONT
1 3/4
21/32
1/8
12°
6 3/16
NOTE: PART IS TO MATCH STRINGER SPLICE YOKE 28W5025 AS SHOWN 28W2005, DETAIL W-W. (REF.)
ALL SMALL RADII ARE 1/8.
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
SERIAL NO'S #2299 TO 2488 INC. AS PER CONTRACT CHANGE "B"
-R PBY-5A 28W5005 2
-L PBY-5A 28W5005 2
-R PBY-5 28W2005-555 2
-L PBY-5 28W2005-555 2
ASSY DASH NO | MODEL | NEXT ASSY | REQ
REQUIREMENTS PER AIRPLANE
REPLACES
CALC WT
REPLACED BY
ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE FULL
STAMP PART NUMBER WHERE SHOWN
28W5024-R | .064 x 4 1/16 x 6 1/4 | AL. ALLOY | 47A10 'T'
PART No | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
PARTS LIST PER ASSY.
[redacted]
AC
NAVY NOTED
HEAT TREAT
Z-P
FINISH
3-9-40
HOWARD SCHMIDT
DRAFT | CHECK | STRUCT | MAT | APPROV | ENG.
3/11/40 3/9/40
OPP HAND 28W5024-R
NAME STRINGER SPLICE YOKE REINFORCING GUSSET
DWG. B 28W5024
SIZE
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R


LET
ALTERATION
DATE
BY
18
4 1/4
1
FINISH-Z-ZP - ONE SIDE BLUE GREY CAMOUFLAGE-TL8660, ONE SIDE LIGHT GREY-TL 8657. SPEC M485
EFFECTIVE ON ALL UNDELIVERED
FINISH OF
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
THIS DRAWING RUSH RELEASED 8-26-41
PBY-5B 28W5030 1
28-5AMN 28W5030 1
PBY-5A 28W5030 1
PBY-5 28W5030 1
ASSY DASH No
MODEL
NEXT ASSY
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
.304
CALC. WT.
REPLACED BY
ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 6"=1'-0"
STAMP PART NUMBER WHERE SHOWN
[redacted]
.040×4 1/2×18 1/2
24ST ALCLAD
47AB COND T
PART No
STOCK
MATERIAL
SPEC.
LH RH REQ. -0
LH RH REQ. -2
LH RH REQ. -3
LH RH REQ. -4
LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY
HEAT TREAT
NOTED
FINISH
4-8-41
4-8-41
8-26-41
DRAFT
CHECK
STRUCT.
MAT
APPROV
ENG
OPP. HAND NONE
NAME FIXED TAB
WING-STARBOARD AILERON
DWG. B SIZE
28W5028
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

LET	ALTERATION	DATE	BY

17 1/2

1/2

1 1/4

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

THIS DRAWING RUSH RELEASED 8-26-41

✱ EFFECTIVE ON ALL UNDELIVERED ✱

ASSY. DASH No	MODEL	NEXT ASSY.	REQ
	28-5AMN	28W5030	1
	PBY-5A	28W5030	1
	PBY-5 ✱	28W5030	

REQUIREMENTS PER AIRPLANE

REPLACES — 1.094# CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 LH REQ.	-0 RH REQ.	-2 LH REQ.	-2 RH REQ.	-3 LH REQ.	-3 RH REQ.	-4 LH REQ.	-4 RH REQ.	-5 LH REQ.	-5 RH REQ.
(	1/2 x 1 1/4 x 17 5/8	AL. AL. BAR	A6A9 CONDT										

PARTS LIST PER ASSY.

AC		DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.
NAVY	ZP-AP	Zerbe 4-8-41	Walter / Mast 8-26-41	Gerber 8-26-41		Klein / Johnson	Wheeler
HEAT TREAT	FINISH						

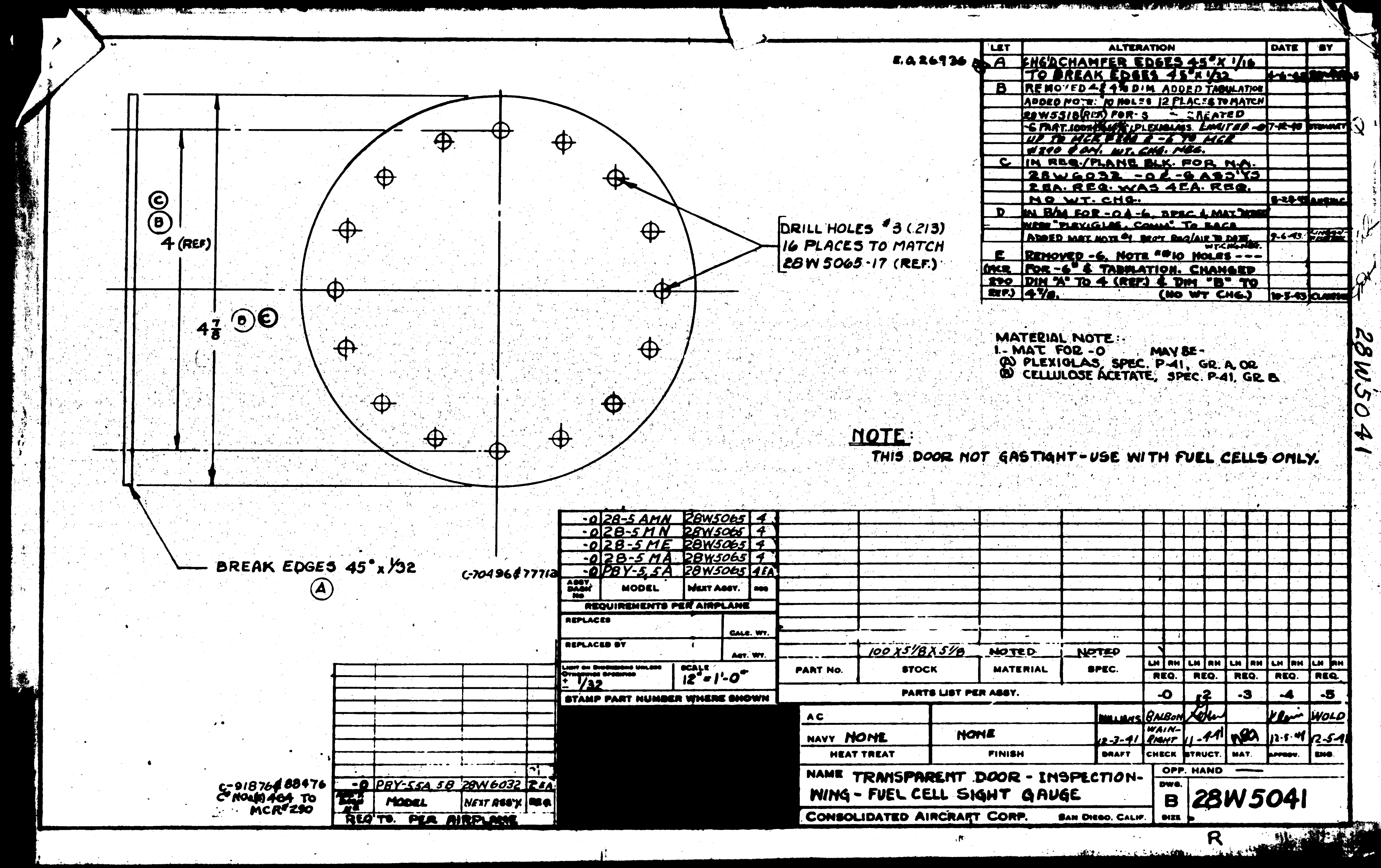
OPP. HAND NONE

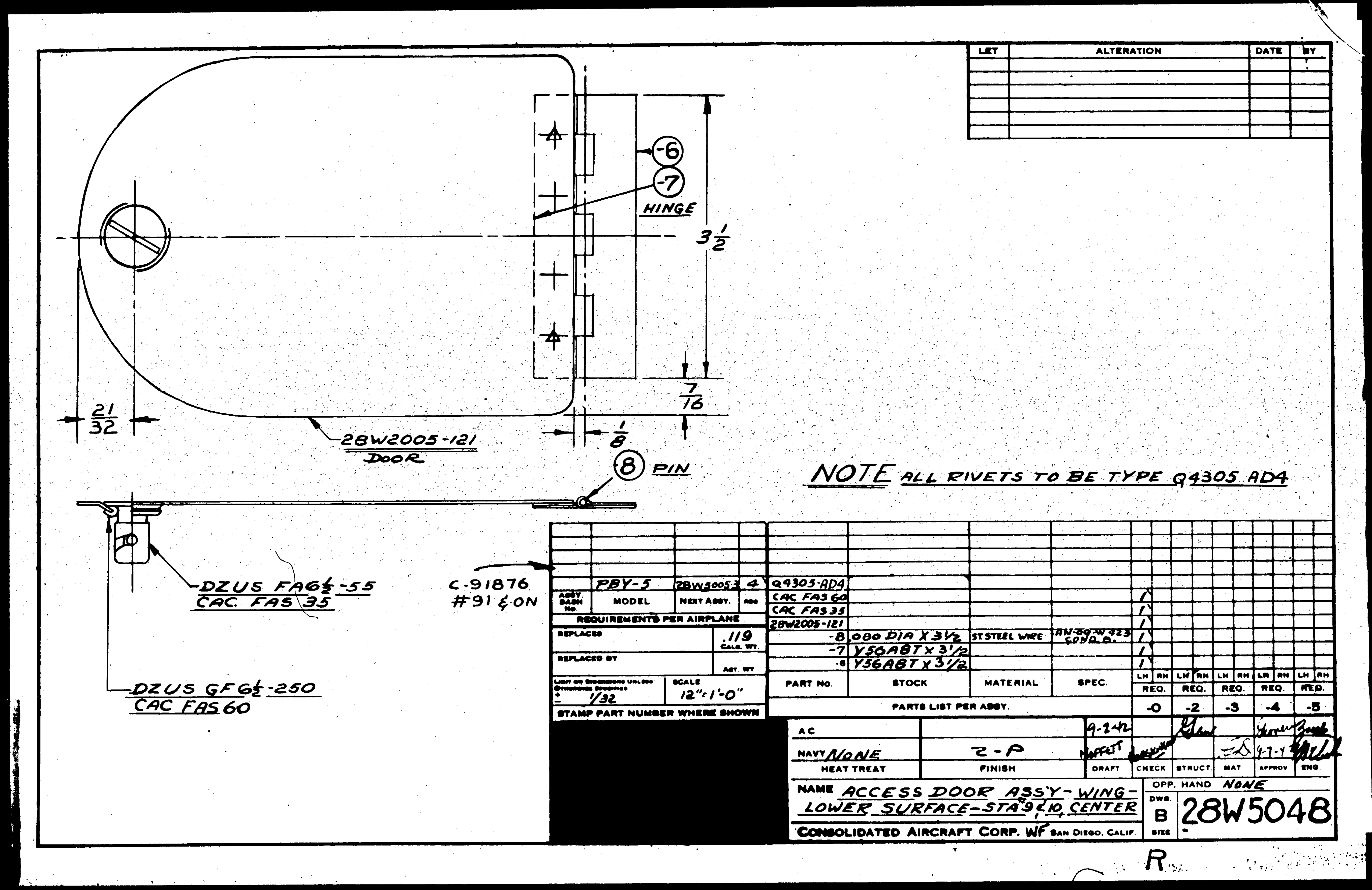
NAME COUNTERWEIGHT
WING - STARBOARD AILERON

DWG. SIZE B — 28W5029

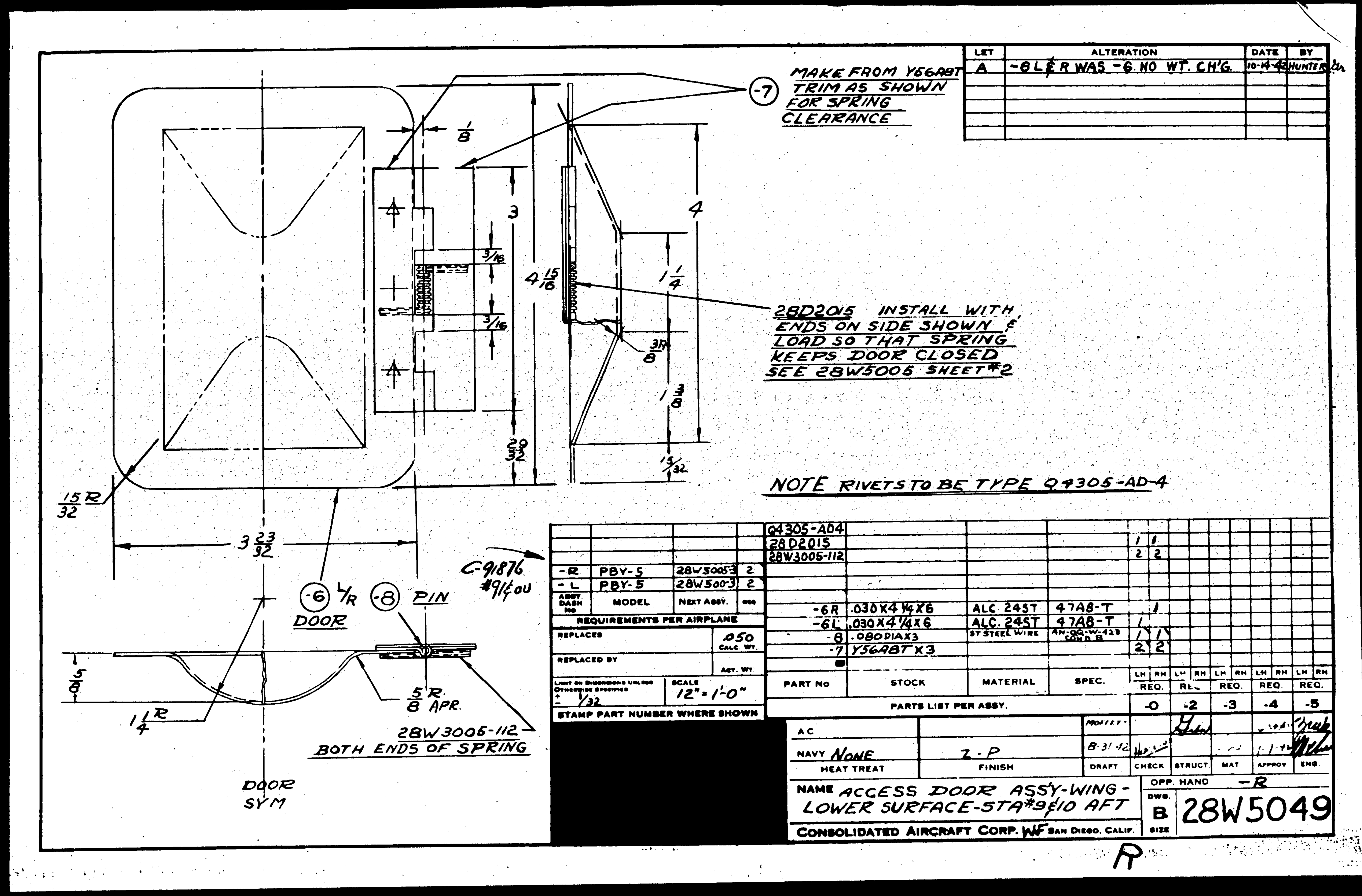
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

K


E.O. 26936
LET
ALTERATION
DATE
BY
A CHG'D CHAMFER EDGES 45° X 1/16 TO BREAK EDGES 45° X 1/32
B REMOVED 4 & 4 7/8 DIM ADDED TABULATION
ADDED NOTE: 10 HOLES 12 PLACES TO MATCH
28W5518 (REF) FOR -5 - CREATED
-6 PART. PLEXIGLAS.
7-12-40
C IN REQ./PLANE BLK. FOR N.A. 28W6032 -0 & -6 ASS'YS 2 EA. REQ. WAS 4 EA. REQ. NO WT. CHG.
D IN B/M FOR -0 & -6, SPEC & MAT.
"PLEXIGLAS, COMM." TO EACH
9-6-43
E REMOVED -6, NOTE "#10 HOLES --- FOR -6" & TABULATION. CHANGED DIM "A" TO 4 (REF.) & DIM "B" TO 4 7/8. (NO WT CHG.)
(MCR 290 REF.)
10-5-43
4 (REF)
4 7/8
DRILL HOLES #3 (.213) 16 PLACES TO MATCH 28W5065-17 (REF.)
MATERIAL NOTE:
1.- MAT. FOR -0 MAY BE-
(A) PLEXIGLAS, SPEC. P-41, GR. A OR
(B) CELLULOSE ACETATE, SPEC. P-41, GR. B
NOTE:
THIS DOOR NOT GASTIGHT - USE WITH FUEL CELLS ONLY.
BREAK EDGES 45° x 1/32
C-70496 & 77712
-0 28-5AMN 28W5065 4
-0 28-5MN 28W5065 4
-0 28-5ME 28W5065 4
-0 28-5MA 28W5065 4
-0 PBY-5,5A 28W5065 4EA
ASSY. DASH NO
MODEL
NEXT ASSY.
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
SCALE 12" = 1'-0"
± 1/32
STAMP PART NUMBER WHERE SHOWN
100 X 5 1/8 X 5 1/8
NOTED
NOTED
PART No.
STOCK
MATERIAL
SPEC.
LH RH
REQ.
-0 -2 -3 -4 -5
PARTS LIST PER ASSY.
AC
NAVY NONE
NONE
HEAT TREAT
FINISH
WILLIAMS
BALBON
WAINRIGHT
WOLD
12-3-41
12-5-41
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
OPP. HAND
NAME TRANSPARENT DOOR - INSPECTION - WING - FUEL CELL SIGHT GAUGE
DWG. SIZE B
28W5041
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
C-91876 & 88476
C NOTE(S) 464 TO MCR#290
-0 PBY-5A,5B 28W6032 2EA
MODEL
NEXT ASS'Y.
REQ.
REQ'D. PER AIRPLANE
28W5041
R



LET
ALTERATION
DATE
BY
-6
-7
HINGE
3 1/2
7/16
21/32
1/8
28W2005-121
DOOR
8 PIN
NOTE ALL RIVETS TO BE TYPE Q4305 AD4
DZUS FA6½-55
CAC. FAS 35
DZUS GF6½-250
CAC FAS60
C-91876
#91 & ON
PBY-5
28W5005-3
4
ASSY. DASH No
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.119
CALC. WT.
REPLACED BY
ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/32
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
Q4305-AD4
CAC FAS 60
CAC FAS 35
28W2005-121
-8 .080 DIA X 3½ ST STEEL WIRE AN-QQ-W-423 COND. B.
-7 Y56ABT X 3½
-6 Y56ABT X 3½
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
AC
NAVY NONE
HEAT TREAT
Z-P
FINISH
9-2-42
MOFFETT
DRAFT
CHECK
STRUCT.
MAT
APPROV
ENG.
OPP. HAND NONE
NAME ACCESS DOOR ASS'Y - WING - LOWER SURFACE - STA. 9 & 10, CENTER
DWG. B SIZE
28W5048
CONSOLIDATED AIRCRAFT CORP. WF SAN DIEGO, CALIF.
R



LET	ALTERATION	DATE	BY
A	-8 L & R WAS -6. NO WT. CH'G.	10-14-42	HUNTER

ASSY. DASH No	MODEL	NEXT ASSY.	REQ
-R	PBY-5	28W5005-3	2
-L	PBY-5	28W5003	2

REQUIREMENTS PER AIRPLANE

REPLACES	.050 CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	-0 LH REQ.	-0 RH REQ.	-2 LH REQ.	-2 RH REQ.	-3 LH REQ.	-3 RH REQ.	-4 LH REQ.	-4 RH REQ.	-5 LH REQ.	-5 RH REQ.
Q4305-AD4													
28D2015				1	1								
28W3005-112				2	2								
-6R	.030X4 1/4X6	ALC. 24ST	47AB-T		1								
-6L	.030X4 1/4X6	ALC. 24ST	47AB-T	1									
-8	.080DIAX3	ST STEEL WIRE	AN-QQ-W-423 COND B	1	1								
-7	Y56ABT X3			2	2								

PARTS LIST PER ASSY.

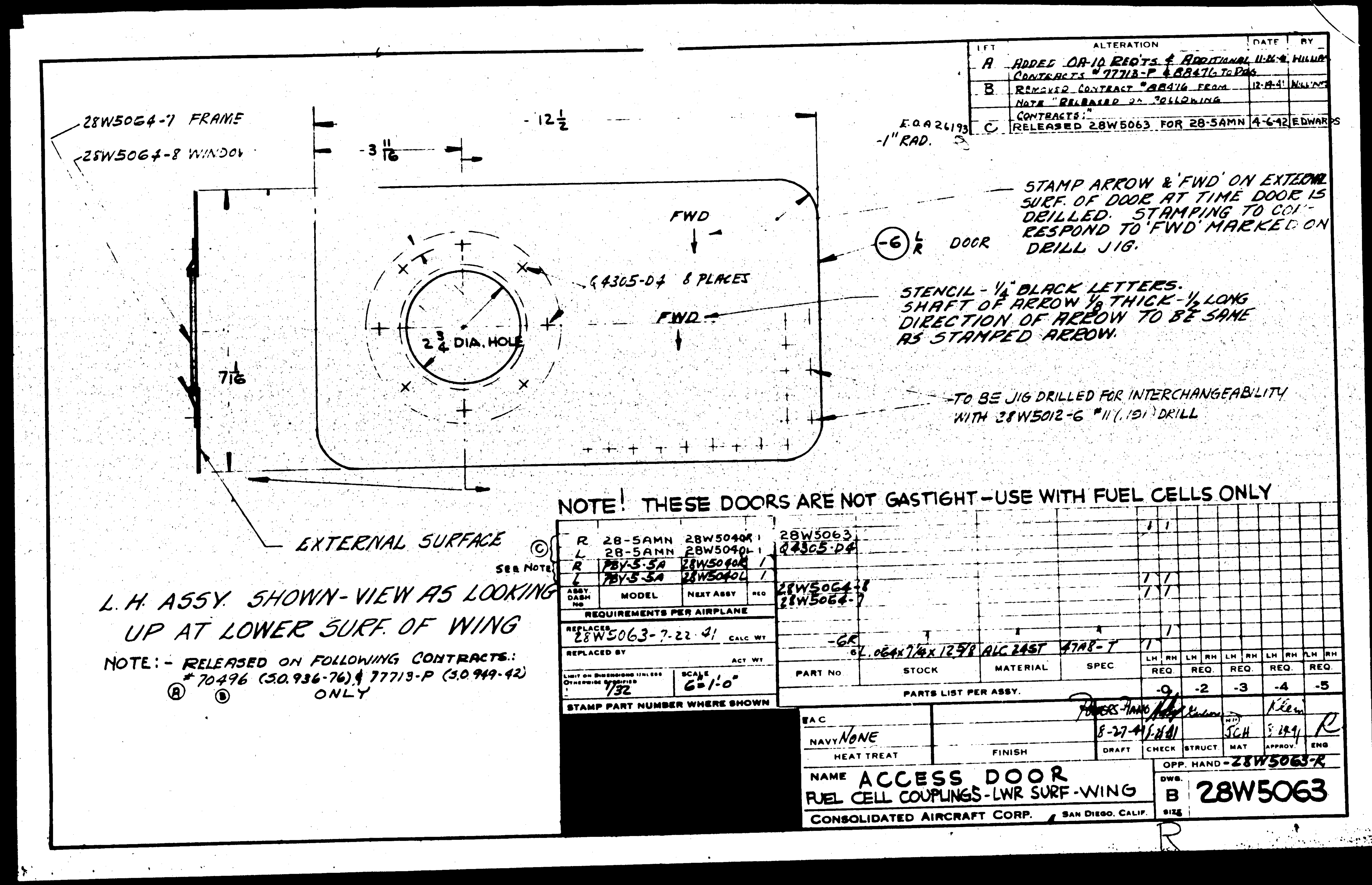
AC		MOFFETT	
NAVY NONE	Z-P	8-31-42	
HEAT TREAT	FINISH	DRAFT	CHECK / STRUCT. / MAT / APPROV / ENG.

NAME ACCESS DOOR ASS'Y-WING-LOWER SURFACE-STA#9 & 10 AFT

OPP. HAND -R

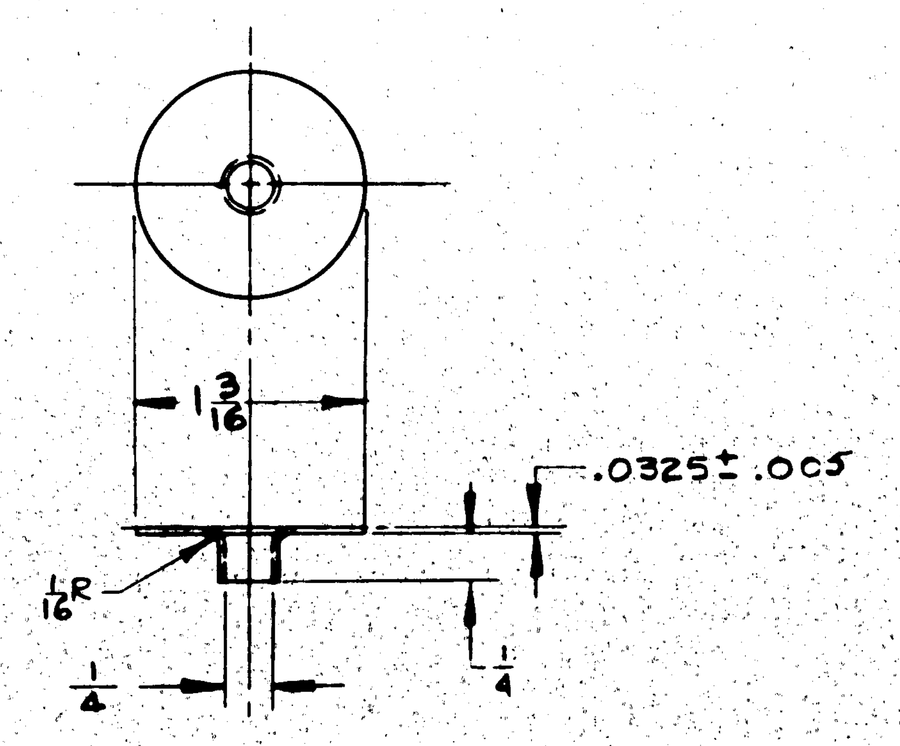
DWG. SIZE B 28W5049

CONSOLIDATED AIRCRAFT CORP. WF SAN DIEGO, CALIF.



LFT | ALTERATION | DATE | BY
A ADDED OA-10 REQ'TS & ADDITIONAL CONTRACTS #77713-P & 88476 TO DWG. 11-26-41 WILLIAMS
B REMOVED CONTRACT #88476 FROM NOTE "RELEASED ON FOLLOWING CONTRACTS:" 12-19-41 WILLIAMS
C RELEASED 28W5063 FOR 28-5AMN 4-6-42 EDWARDS
E.O.A 26193
28W5064-7 FRAME
28W5064-8 WINDOW
12 1/2
3 11/16
-1" RAD.
FWD
STAMP ARROW & 'FWD' ON EXTERNAL SURF. OF DOOR AT TIME DOOR IS DRILLED. STAMPING TO CORRESPOND TO 'FWD' MARKED ON DRILL JIG.
-6 L/R DOOR
Q4305-D4 8 PLACES
STENCIL - 1/4" BLACK LETTERS. SHAFT OF ARROW 1/8 THICK - 1/2 LONG DIRECTION OF ARROW TO BE SAME AS STAMPED ARROW.
FWD
2 3/4 DIA. HOLE
7/16
TO BE JIG DRILLED FOR INTERCHANGEABILITY WITH 28W5012-6 #11 (.191) DRILL
NOTE! THESE DOORS ARE NOT GASTIGHT - USE WITH FUEL CELLS ONLY
EXTERNAL SURFACE
L.H. ASSY. SHOWN - VIEW AS LOOKING UP AT LOWER SURF. OF WING
NOTE:- RELEASED ON FOLLOWING CONTRACTS: # 70496 (S.O. 936-76) & 77713-P (S.O. 949-42) ONLY
A B
C SEE NOTE
R 28-5AMN 28W5040R 1
L 28-5AMN 28W5040L 1
R PBY-5-5A 28W5040R 1
L PBY-5-5A 28W5040L 1
ASSY. DASH NO | MODEL | NEXT ASSY | REQ
REQUIREMENTS PER AIRPLANE
REPLACES 28W5063-7-22-41 CALC WT
REPLACED BY ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 1/32
SCALE 6"=1'-0"
STAMP PART NUMBER WHERE SHOWN
28W5063
Q4305-D4
28W5064-8
28W5064-7
-6R
-6L .064x7 1/4x12 5/8 ALC 24ST 47A8-T
PART No | STOCK | MATERIAL | SPEC | LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
PARTS LIST PER ASSY.
AAC
NAVY NONE
HEAT TREAT
FINISH
8-27-41
SCH
DRAFT | CHECK | STRUCT. | MAT | APPROV. | ENG
OPP. HAND - 28W5063-R
NAME ACCESS DOOR FUEL CELL COUPLINGS - LWR SURF - WING
DWG. SIZE B 28W5063
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R

LET	ALTERATION	DATE	BY
A	ADDED "MCR 282" OPPOSITE REQ/AIRPLANE BLOCK NEG WT CHG	7-22-43	LEESE



M.C.R 282

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ
	PBY-5A	28W171	84
	PBY-5	28W171	42

REQUIREMENTS PER AIRPLANE

REPLACES — .002# CALC. WT.

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

MOLDED-CELLULOSE ACETATE BUTYRATE-COMMERCIAL

PART No.	STOCK	MATERIAL	SPEC.	LH REQ. -0	RH REQ. -0	LH REQ. -2	RH REQ. -2	LH REQ. -3	RH REQ. -3	LH REQ. -4	RH REQ. -4	LH REQ. -5	RH REQ. -5

PARTS LIST PER ASSY.

AC		LAMOREAUX					
NAVY NONE	NONE	5-14-43	5-25-43				
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG

NAME GROMMET - WING - TRAILING EDGE - DRAIN

OPP. HAND ———

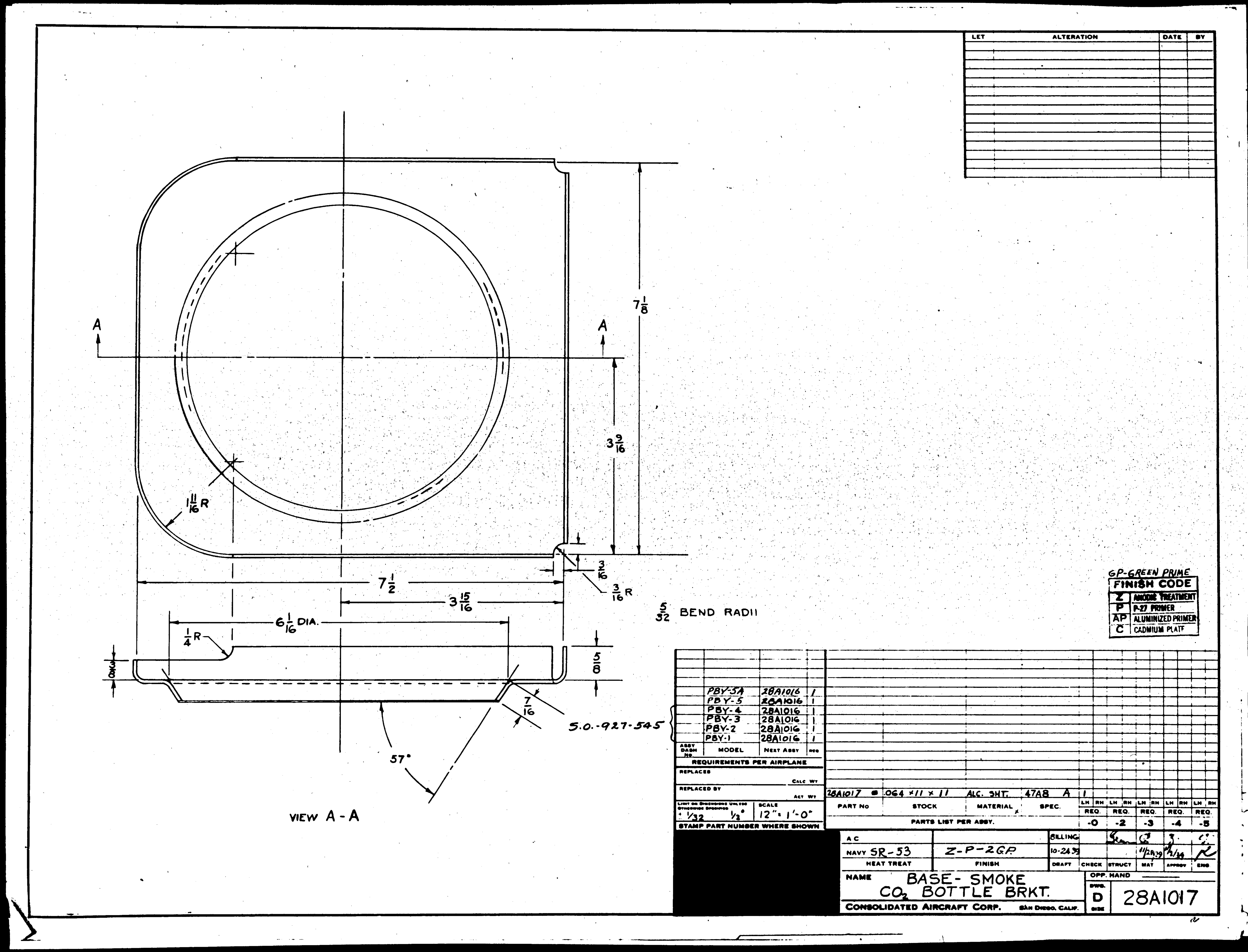
DWG. SIZE B — 28W5190

CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.

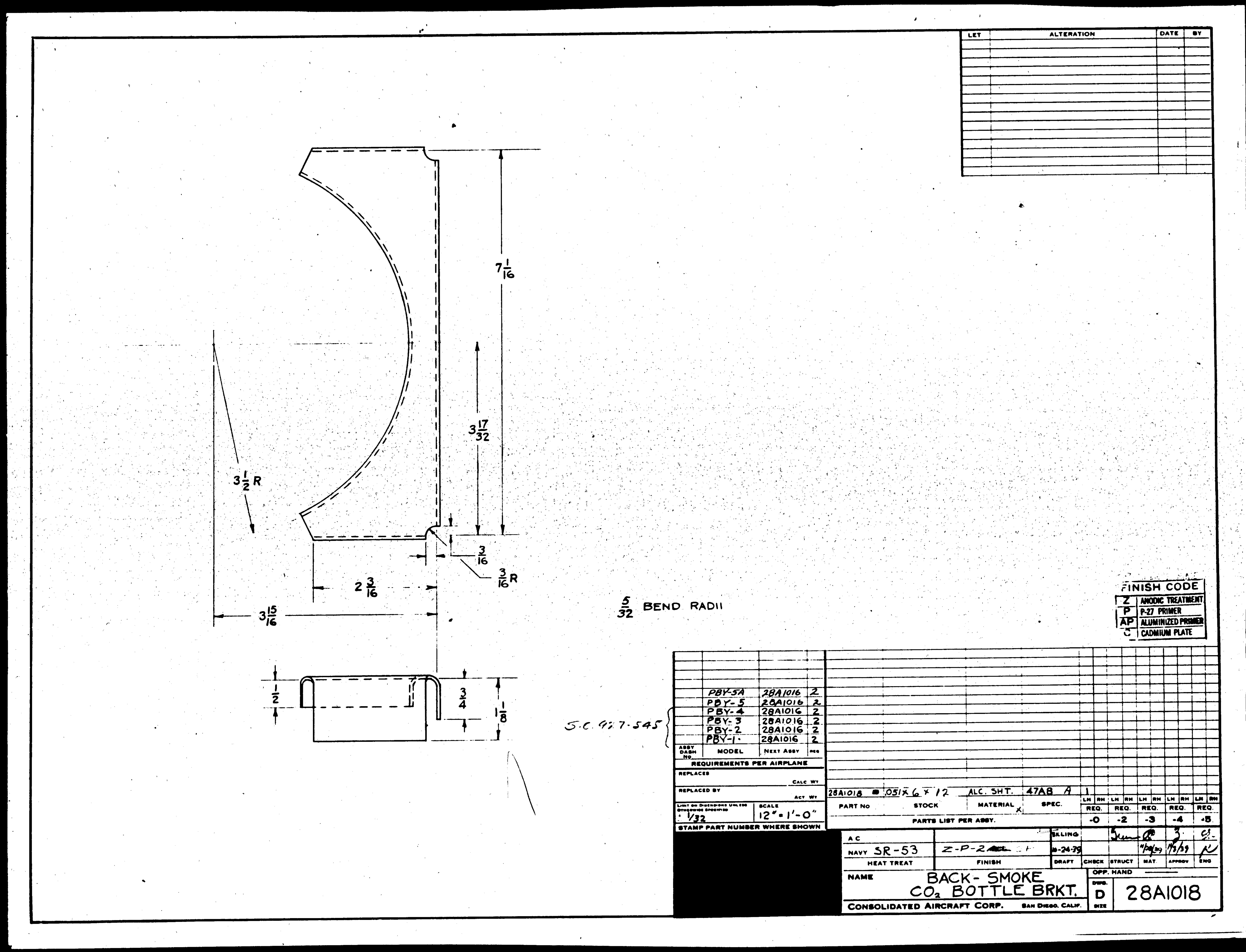
APPROVED FOR TOOLING BY Gasline 5-28-43

28W5190

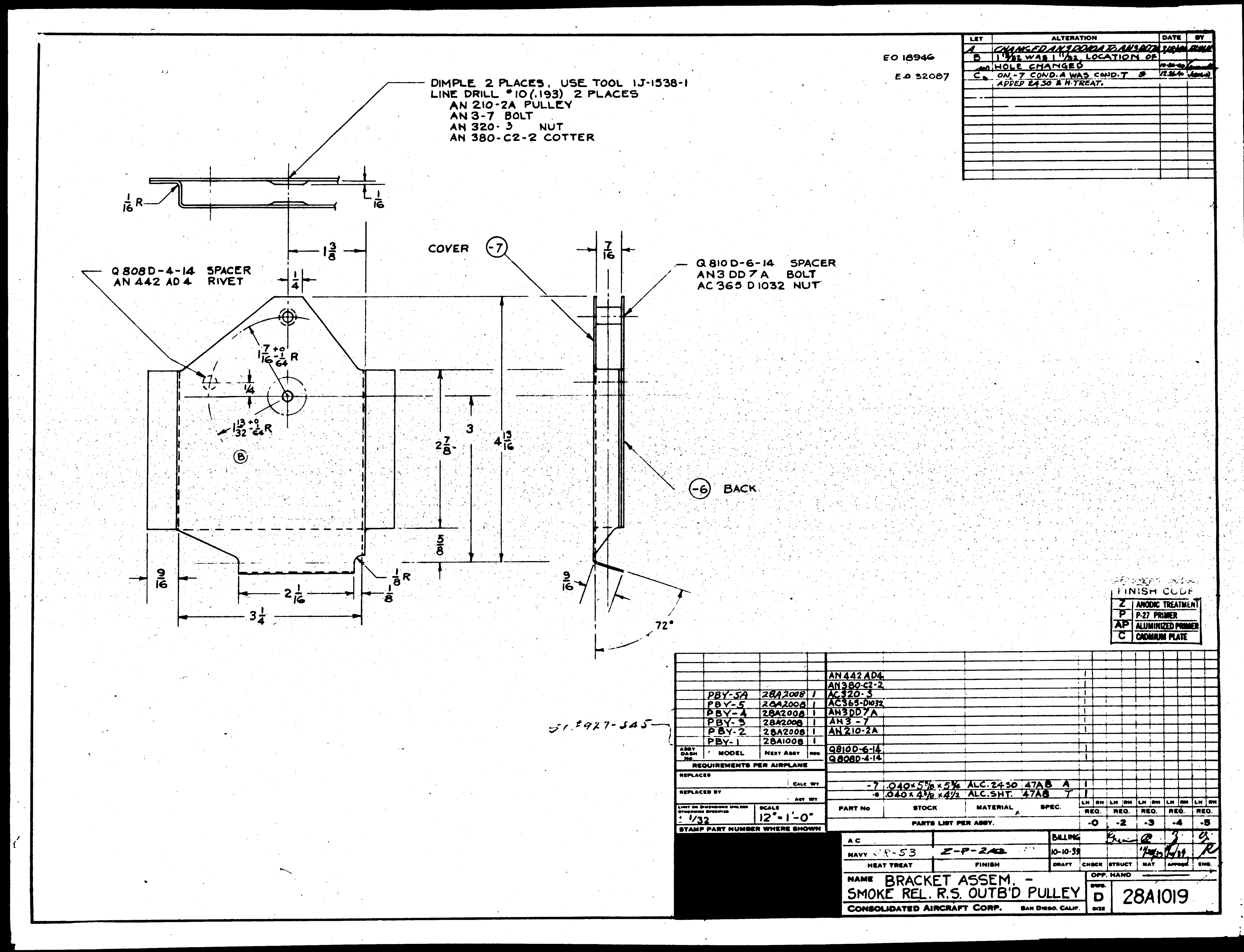
R

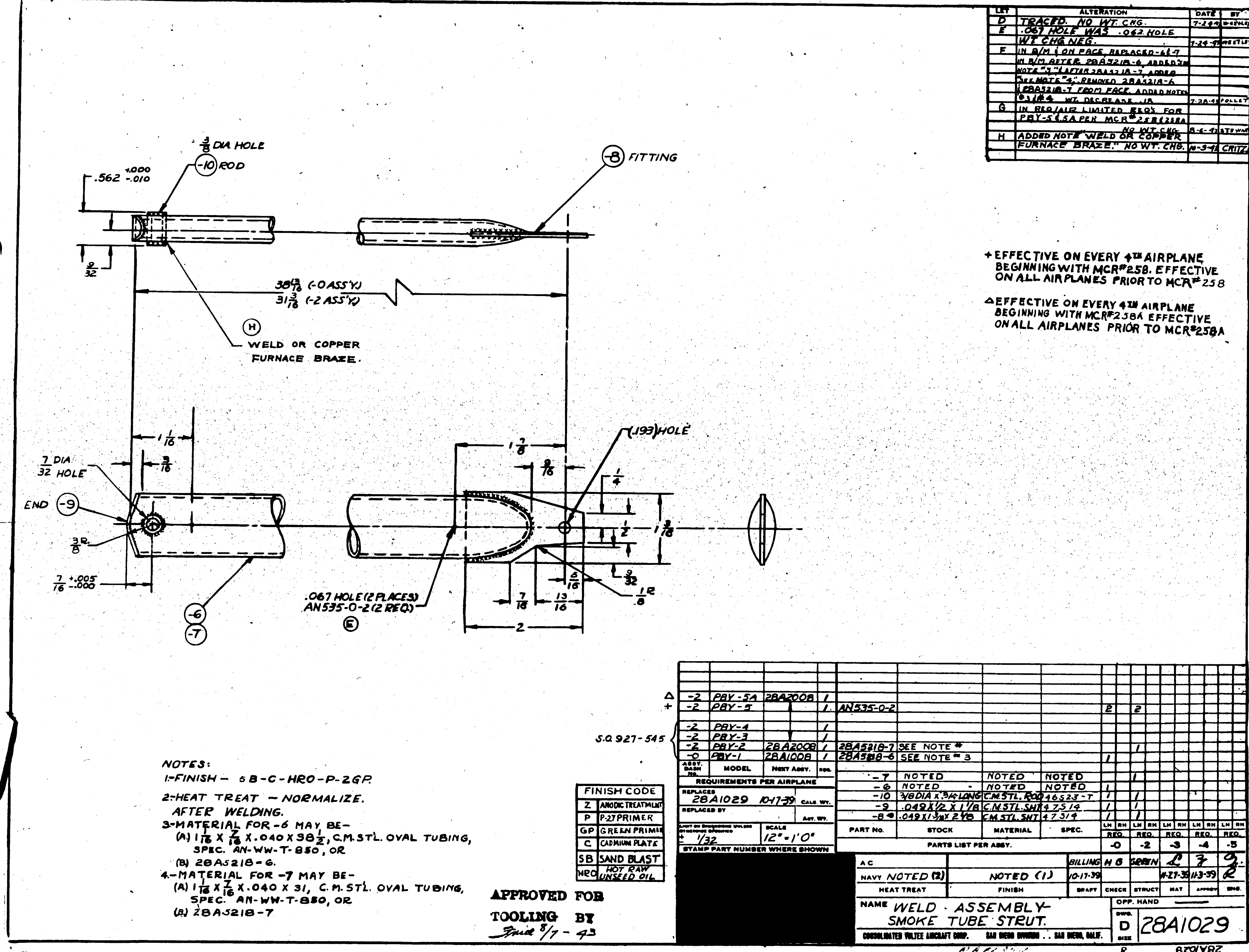


LET
ALTERATION
DATE
BY
A
A
7 1/8
3 9/16
1 11/16 R
3/16
3/16 R
7 1/2
3 15/16
5/32 BEND RADII
6 1/16 DIA.
1/4 R
3/8
5/8
7/16
57°
S.O.-927-545
VIEW A - A
GP-GREEN PRIME
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
PBY-5A 28A1016 1
PBY-5 28A1016 1
PBY-4 28A1016 1
PBY-3 28A1016 1
PBY-2 28A1016 1
PBY-1 28A1016 1
ASSY DASH No. MODEL NEXT ASSY REQ
REQUIREMENTS PER AIRPLANE
REPLACES
CALC WT
REPLACED BY
ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/32 1/2°
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
28A1017 .064 × 11 × 11 ALC. SHT. 47A8 A 1
PART No STOCK MATERIAL SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
-0 -2 -3 -4 -5
PARTS LIST PER ASSY.
AC
NAVY SR-53
HEAT TREAT
Z-P-2GP
FINISH
BILLING
10-24-39
DRAFT CHECK STRUCT MAT APPROV ENG
11/28/39
NAME BASE- SMOKE CO2 BOTTLE BRKT.
OPP. HAND
DWG. SIZE D
28A1017
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

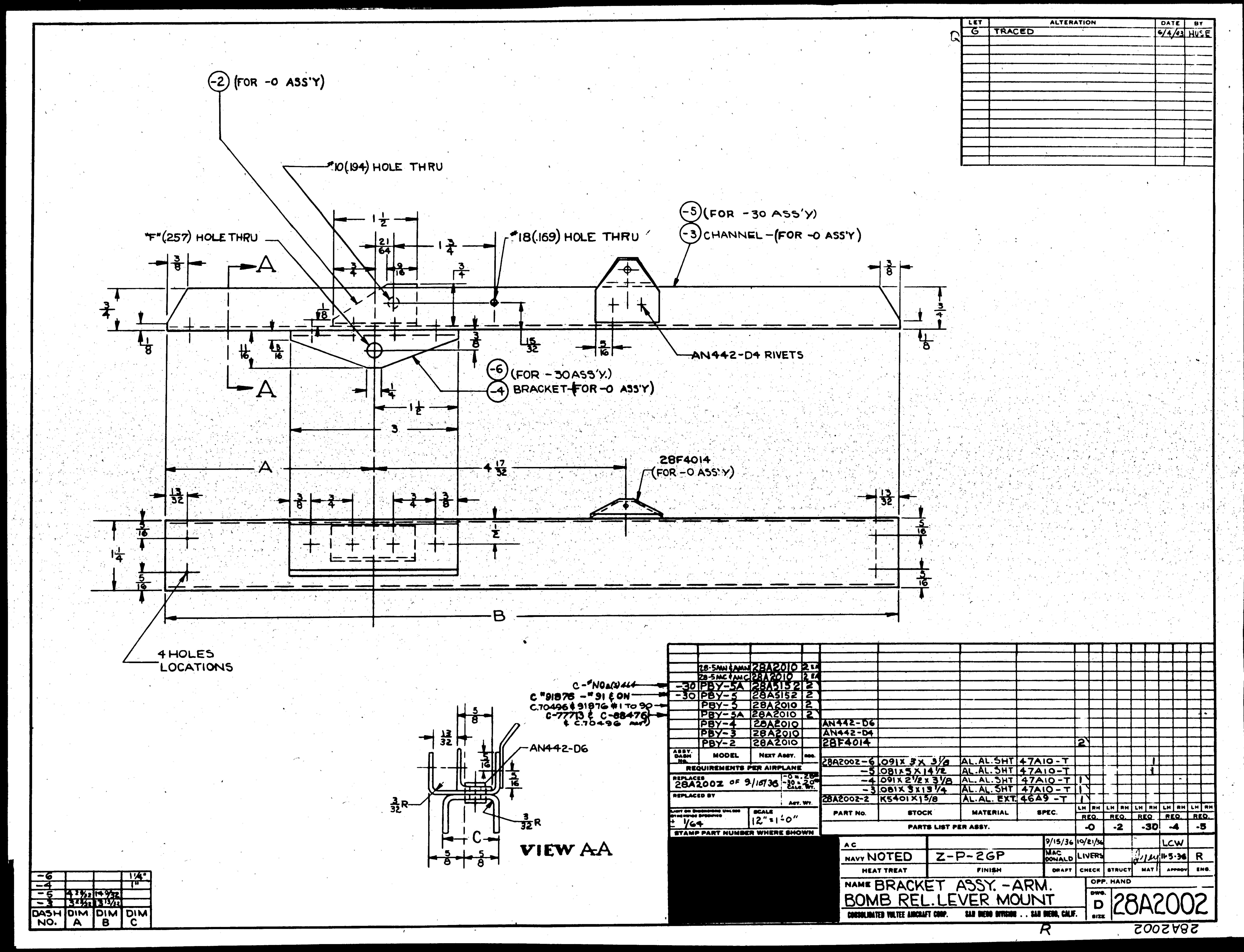


LET
ALTERATION
DATE
BY
7 1/16
3 17/32
3 1/2 R
3/16
3/16 R
2 3/16
3 15/16
5/32 BEND RADII
1/2
3/4
1 1/8
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
S.C. 927-545
PBY-5A 28A1016 2
PBY-5 28A1016 2
PBY-4 28A1016 2
PBY-3 28A1016 2
PBY-2 28A1016 2
PBY-1 28A1016 2
ASSY DASH NO. MODEL NEXT ASSY REQ
REQUIREMENTS PER AIRPLANE
REPLACES
CALC WT
REPLACED BY
ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
28A1018 .051 x 6 x 12 ALC. SHT. 47A8 A 1
PART No STOCK MATERIAL SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
-0 -2 -3 -4 -5
PARTS LIST PER ASSY.
A C
NAVY SR-53
HEAT TREAT
Z-P-2
FINISH
10-24-39
DRAFT CHECK STRUCT MAT. APPROV ENG
OPP. HAND
NAME BACK-SMOKE CO2 BOTTLE BRKT.
DWG. SIZE D
28A1018
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

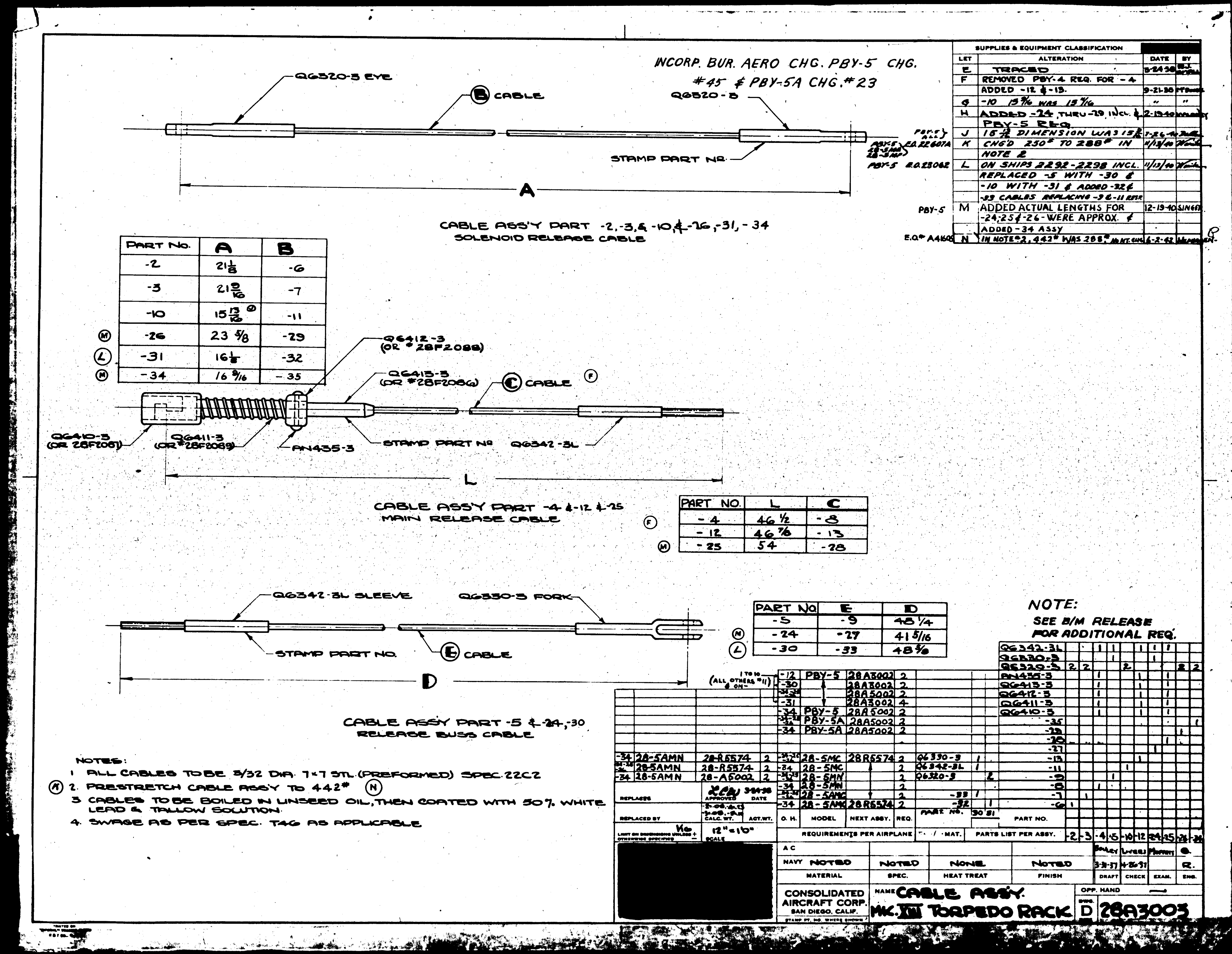

E O 18946
E O 32087
LET | ALTERATION | DATE | BY
A | CHANGED AN3DD10A TO AN3DD7A
B | 1 13/32 WAS 1 11/32, LOCATION OF HOLE CHANGED | 10-30-40
C | ON -7 COND. A WAS COND. T & ADDED 24 SO & H. TREAT. | 12-26-40
DIMPLE 2 PLACES, USE TOOL 1J-1538-1
LINE DRILL #10 (.193) 2 PLACES
AN 210-2A PULLEY
AN 3-7 BOLT
AN 320-3 NUT
AN 380-C2-2 COTTER
1/16 R
1/16
1 3/8
1/4
COVER (-7)
7/16
Q 808 D-4-14 SPACER
AN 442 AD 4 RIVET
Q 810 D-6-14 SPACER
AN3 DD7A BOLT
AC 365 D1032 NUT
1 7/16 +0 -1/64 R
1/4
1 13/32 +0 -1/64 R
(B)
2 7/8
3
4 13/16
5/8
(-6) BACK
9/16
2 1/16
1/8 R
1/8
3 1/4
9/16
72°
FINISH CODE
Z | ANODIC TREATMENT
P | P-27 PRIMER
AP | ALUMINIZED PRIMER
C | CADMIUM PLATE
SI. #927-545
PBY-5A | 28A2008 | 1
PBY-5 | 28A2008 | 1
PBY-4 | 28A2008 | 1
PBY-3 | 28A2008 | 1
PBY-2 | 28A2008 | 1
PBY-1 | 28A1008 | 1
ASSY DASH No | MODEL | NEXT ASSY | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC WT
REPLACED BY
ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
AN 442 AD4 | 1
AN380-C2-2 | 1
AC320-3 | 1
AC365-D1032 | 1
AN3DD7A | 1
AN3-7 | 1
AN210-2A | 1
Q810D-6-14 | 1
Q808D-4-14 | 1
-7 | .040 × 5 5/16 × 5 3/4 | ALC. 24 SO | 47A8 | A | 1
-6 | .040 × 4 3/8 × 4 1/2 | ALC. SHT. | 47A8 | T | 1
PART No | STOCK | MATERIAL | SPEC. | LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
PARTS LIST PER ASSY.
A C
NAVY SR-53
HEAT TREAT
Z-P-2
FINISH
BILLING
10-10-39
DRAFT | CHECK | STRUCT | MAT | APPROV | ENG.
OPP. HAND
NAME BRACKET ASSEM. - SMOKE REL. R.S. OUTB'D PULLEY
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
DWG. SIZE D
28A1019



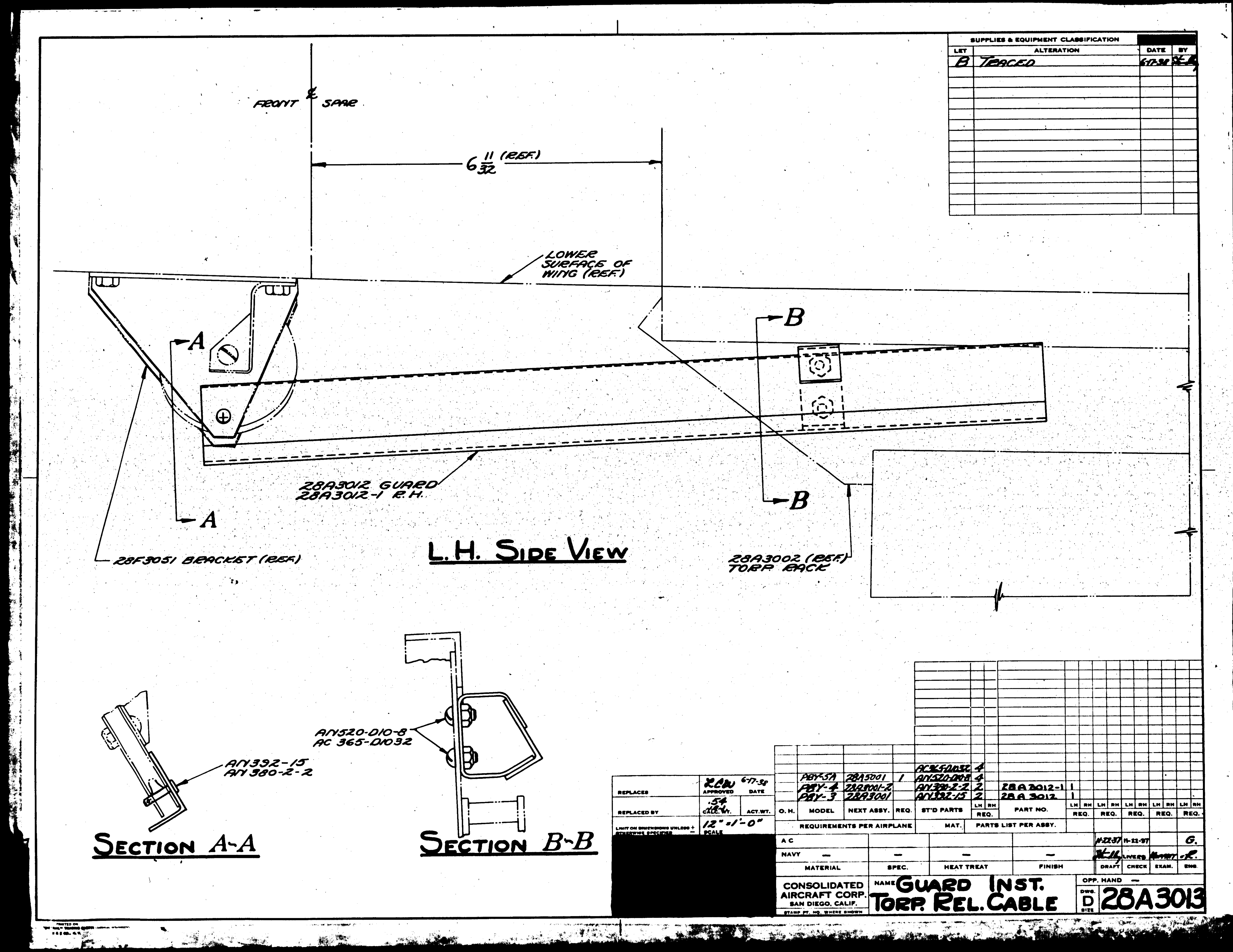
LET | ALTERATION | DATE | BY
D TRACED. NO WT. CHG. 7-24-9 WESTLEY
E .067 HOLE WAS .062 HOLE WT CHG NEG. 7-24-42 WESTLEY
F IN B/M & ON FACE REPLACED -6 & -7 IN B/M AFTER 28A5218-6 ADDED "SEE NOTE "3" & AFTER 28A5218-7 ADDED "SEE NOTE "4", REMOVED 28A5218-6 & 28A5218-7 FROM FACE. ADDED NOTES #3 & #4 WT. DECREASE .18 7-28-42 FOLLET
G IN REQ/AIR LIMITED REQ'S FOR PBY-5 & 5A PER MCR# 258 & 258A NO WT. CHG. 8-6-42 STEWART
H ADDED NOTE "WELD OR COPPER FURNACE BRAZE." NO WT. CHG. 10-9-42 CRITZ
3/8 DIA HOLE
-10 ROD
.562 +.000 -.010
9/32
-8 FITTING
38 13/16 (-0 ASS'Y)
31 3/16 (-2 ASS'Y)
H
WELD OR COPPER FURNACE BRAZE.
+ EFFECTIVE ON EVERY 4TH AIRPLANE BEGINNING WITH MCR#258. EFFECTIVE ON ALL AIRPLANES PRIOR TO MCR#258
△ EFFECTIVE ON EVERY 4TH AIRPLANE BEGINNING WITH MCR#258A EFFECTIVE ON ALL AIRPLANES PRIOR TO MCR#258A
1 1/16
3/16
7/32 DIA HOLE
END -9
3R 3/8
7/16 +.005 -.000
-6
-7
1 7/8
9/16
(.193) HOLE
1/4
1/2
1 3/16
9/32
5/16
1R 8
7/16
13/16
2
.067 HOLE (2 PLACES) AN535-0-2 (2 REQ.)
E
S.O. 927-545
△ -2 PBY-5A 28A2008 1
+ -2 PBY-5 1 AN535-0-2 2 2
-2 PBY-4 1
-2 PBY-3 1
-2 PBY-2 28A2008 1 28A5218-7 SEE NOTE # 1
-0 PBY-1 28A1008 1 28A5218-6 SEE NOTE # 3 1
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
-7 NOTED NOTED NOTED 1
-6 NOTED NOTED NOTED 1
-10 3/8 DIA X 5/16 LONG C.M.STL. ROD 46523-T 1 1
-9 .049 X 1/2 X 1 1/8 C.M.STL. SHT 47514 1 1
-8 .049 X 1 3/16 X 2 1/8 C.M.STL. SHT 47514 1 1
PART No. | STOCK | MATERIAL | SPEC. | LH RH REQ. -0 | -2 | -3 | -4 | -5
PARTS LIST PER ASSY.
REPLACES 28A1029 10-17-39 CALC. WT.
REPLACED BY ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'0"
STAMP PART NUMBER WHERE SHOWN
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
GP GREEN PRIMER
C CADMIUM PLATE
SB SAND BLAST
HRO HOT RAW UNSEED OIL
NOTES:
1-FINISH - SB-C-HRO-P-2GP.
2-HEAT TREAT - NORMALIZE. AFTER WELDING.
3-MATERIAL FOR -6 MAY BE-
(A) 1 1/16 X 7/16 X .040 X 38 1/2, C.M.STL. OVAL TUBING, SPEC. AN-WW-T-850, OR
(B) 28A5218-6.
4.-MATERIAL FOR -7 MAY BE-
(A) 1 1/16 X 7/16 X .040 X 31, C.M.STL. OVAL TUBING, SPEC. AN-WW-T-850, OR
(B) 28A5218-7
APPROVED FOR TOOLING BY
8/7 - 43
[redacted]
A C
NAVY NOTED (2) NOTED (1)
HEAT TREAT FINISH
BILLING H G GREEN
10-17-39 11-29-39 11-3-39
DRAFT CHECK STRUCT MAT APPROV ENG.
NAME WELD - ASSEMBLY - SMOKE TUBE STRUT.
OPP. HAND
DWG. SIZE D 28A1029
CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.



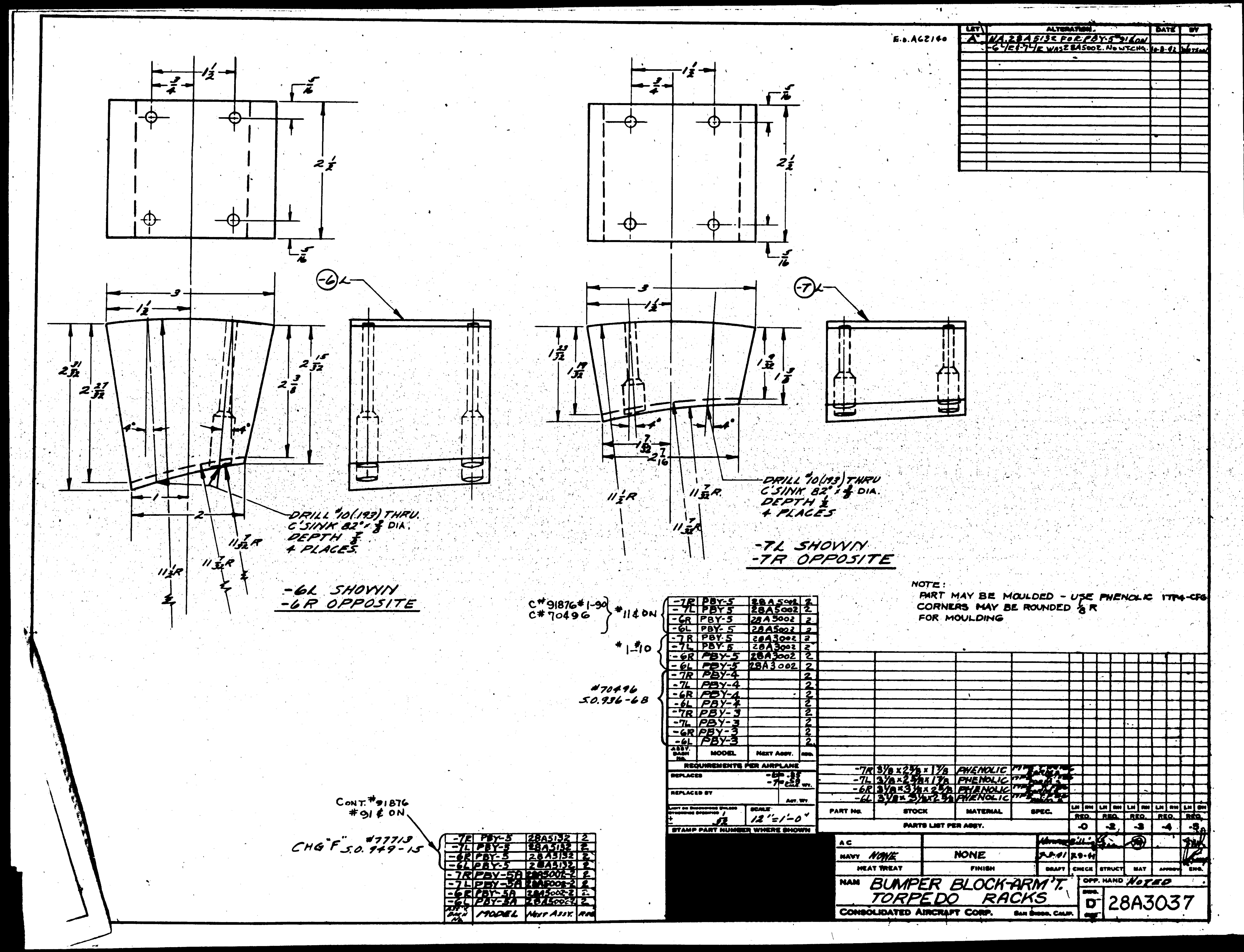
LET | ALTERATION | DATE | BY
G TRACED 6/4/43 HUSE
-2 (FOR -0 ASS'Y)
#10(.194) HOLE THRU
"F"(257) HOLE THRU
#18(.169) HOLE THRU
-5 (FOR -30 ASS'Y)
-3 CHANNEL -(FOR -0 ASS'Y)
AN442-D4 RIVETS
-6 (FOR -30 ASS'Y.)
-4 BRACKET-(FOR -0 ASS'Y)
A
B
28F4014 (FOR -0 ASS'Y)
4 HOLES LOCATIONS
AN442-D6
VIEW AA
C
DASH NO. | DIM A | DIM B | DIM C
-6 | | | 1¼"
-4 | | | 1"
-5 | 4 23/32 | 14 9/32 |
-3 | 3 23/32 | 13 13/32 |
28-5MN & AMN 28A2010 2 EA
28-5MC & AMC 28A2010 2 EA
-30 PBY-5A 28A5152 2
-30 PBY-5 28A5152 2
PBY-5 28A2010 2
PBY-5A 28A2010 2
PBY-4 28A2010
PBY-3 28A2010
PBY-2 28A2010
ASSY. DASH No. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES 28A2002 OF 9/16/36
REPLACED BY
SCALE 12" = 1'-0"
± 1/64
STAMP PART NUMBER WHERE SHOWN
AN442-D6
AN442-D4
28F4014 2
28A2002-6 .091 X 3 X 3 1/8 AL.AL.SHT 47A10-T
-5 .081 X 5 X 14 1/2 AL.AL.SHT 47A10-T
-4 .091 X 2 1/2 X 3 1/8 AL.AL.SHT 47A10-T 1
-3 .081 X 3 X 13 1/4 AL.AL.SHT 47A10-T 1
28A2002-2 K5401 X 1 5/8 AL.AL.EXT. 46A9-T 1
PART No. | STOCK | MATERIAL | SPEC. | REQ. -0 | REQ. -2 | REQ. -30 | REQ. -4 | REQ. -5
PARTS LIST PER ASSY.
AC NAVY NOTED
Z-P-2GP
HEAT TREAT | FINISH
9/15/36 MAC DONALD | 10/21/36 LIVERS | LCW 11-5-36 | R
DRAFT | CHECK | STRUCT | MAT | APPROV | ENG.
NAME BRACKET ASSY. -ARM. BOMB REL. LEVER MOUNT
CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.
OPP. HAND
DWG. D SIZE 28A2002
R



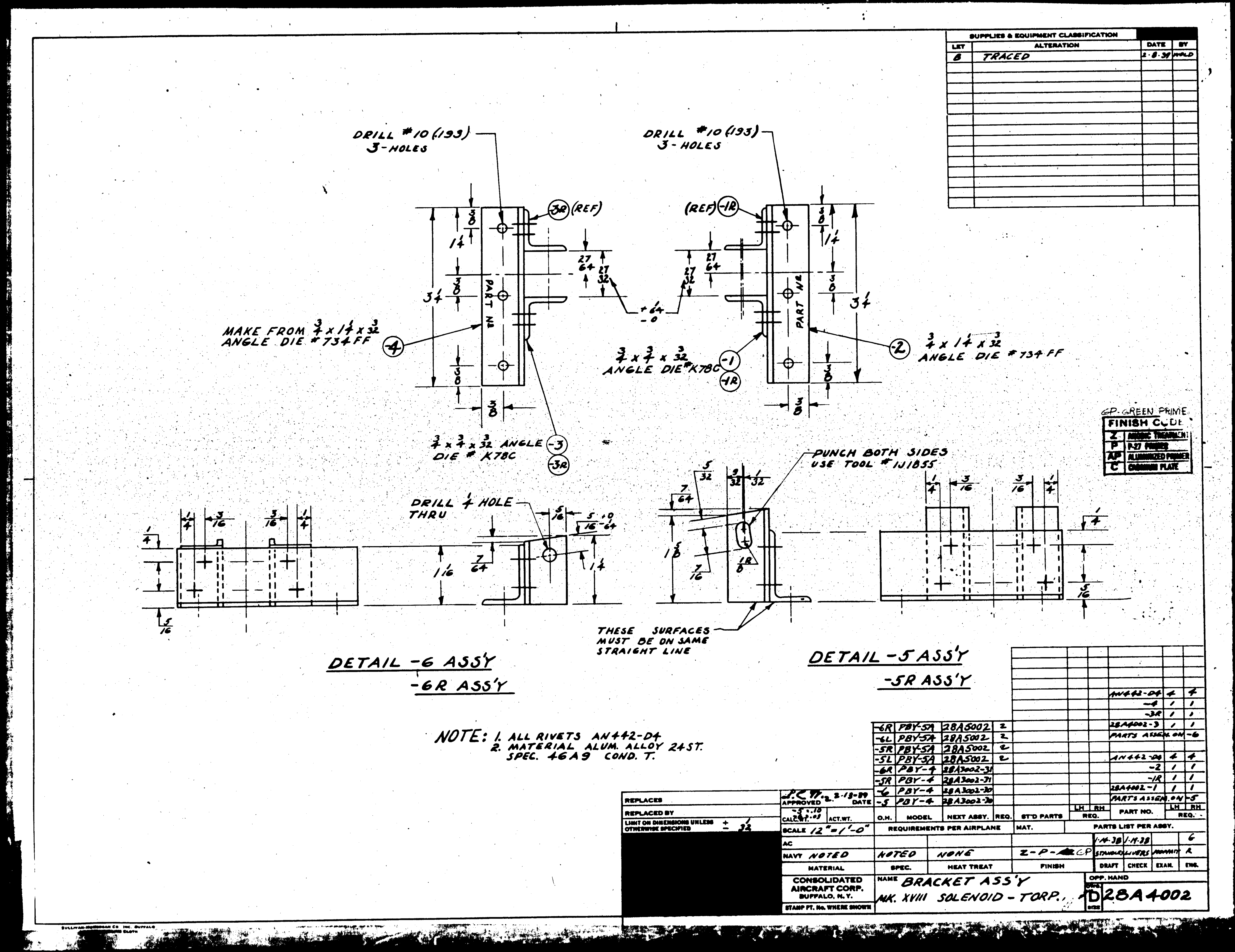
INCORP. BUR. AERO CHG. PBY-5 CHG. #45 & PBY-5A CHG. #23
SUPPLIES & EQUIPMENT CLASSIFICATION [redacted]
LET | ALTERATION | DATE | BY
E TRACED
F REMOVED PBY-4 REQ. FOR -4
ADDED -12 & -13.
G -10 15 9/16 WAS 15 5/16
H ADDED -24 THRU -29 INCL. & PBY-5 REQ.
J 18 1/2 DIMENSION WAS 15 5/8
K CHG'D 250# TO 288# IN NOTE 2
L ON SHIPS 2292-2298 INCL. REPLACED -5 WITH -30 & -10 WITH -31 & ADDED -32 & -33 CABLES REPLACING -9 & -11 RESP.
PBY-5 M ADDED ACTUAL LENGTHS FOR -24, 25 & -26 - WERE APPROX. & ADDED -34 ASSY
E.O.# A4160 N IN NOTE #2, 442# WAS 288#
PBY-5 E.O. 22607A
PBY-5 E.O. 23062
Q6320-3 EYE
B CABLE
Q6320-3
STAMP PART NO.
A
CABLE ASS'Y PART -2, -3, & -10, & -26, -31, -34
SOLENOID RELEASE CABLE
PART No. | A | B
-2 | 21 1/8 | -6
-3 | 21 9/16 | -7
-10 | 15 13/16 (G) | -11
(M) -26 | 23 5/8 | -29
(L) -31 | 16 1/8 | -32
(M) -34 | 16 9/16 | -35
Q6412-3 (OR #28F2088)
Q6413-3 (OR #28F2086)
C CABLE
Q6410-3 (OR 28F2087)
Q6411-3 (OR #28F2089)
AN435-3
STAMP PART NO
Q6342-3L
L
CABLE ASS'Y PART -4 & -12 & -25
MAIN RELEASE CABLE
PART NO. | L | C
(F) -4 | 46 1/2 | -8
-12 | 46 7/16 | -13
(M) -25 | 54 | -28
Q6342-3L SLEEVE
Q6330-3 FORK
STAMP PART NO.
E CABLE
D
CABLE ASS'Y PART -5 & -24, -30
RELEASE BUSS CABLE
PART NO. | E | D
-5 | -9 | 48 1/4
(M) -24 | -27 | 41 5/16
(L) -30 | -33 | 48 5/8
NOTE: SEE B/M RELEASE FOR ADDITIONAL REQ.
NOTES:
1 ALL CABLES TO BE 3/32 DIA. 7x7 STL. (PREFORMED) SPEC. 22C2
(N) 2. PRESTRETCH CABLE ASS'Y TO 442#
3 CABLES TO BE BOILED IN LINSEED OIL, THEN COATED WITH 50% WHITE LEAD & TALLOW SOLUTION.
4. SWAGE AS PER SPEC. T46 AS APPLICABLE
O. H. | MODEL | NEXT ASSY. | REQ.
-12 PBY-5 28A3002 2
-30 28A3002 2
-31 28A3002 4
-34 PBY-5 28A5002 2
-34 PBY-5A 28A5002 2
-34 28-5AMN 28-R5574 2
-34 28-5AMN 28-R5574 2
-34 28-5AMN 28-A5002 2
28-5MC 28R5574 2
-34 28-5MC 2
28-6MN 2
-34 28-5MN 2
28-5AMC 2
-34 28-5AMC 28R5574 2
Q6342-3L, Q6330-3, Q6320-3, AN435-3, Q6413-3, Q6412-3, Q6411-3, Q6410-3
PART NO. | PARTS LIST PER ASSY.
REQUIREMENTS PER AIRPLANE
-2 -3 -4 -5 -10 -12 -24 -25 -26 -34
REPLACES | APPROVED | DATE
REPLACED BY | CALC. WT. | ACT. WT.
12" = 1'0" SCALE
[redacted]
NAVY NOTED | NOTED | NONE | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
3-31-37 | 4-26-37
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
NAME CABLE ASS'Y. MK. XIII TORPEDO RACK
OPP. HAND
D 28A3003

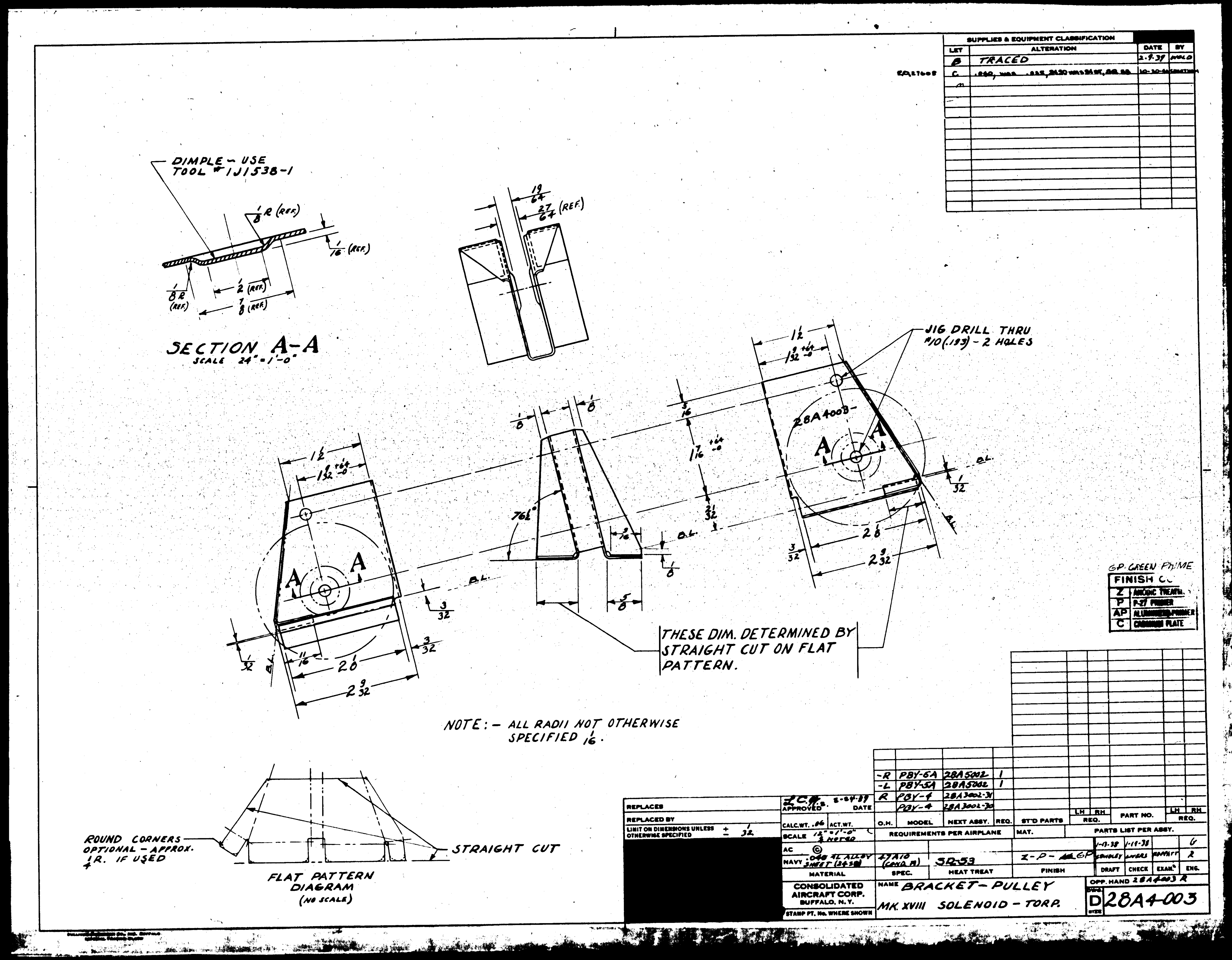


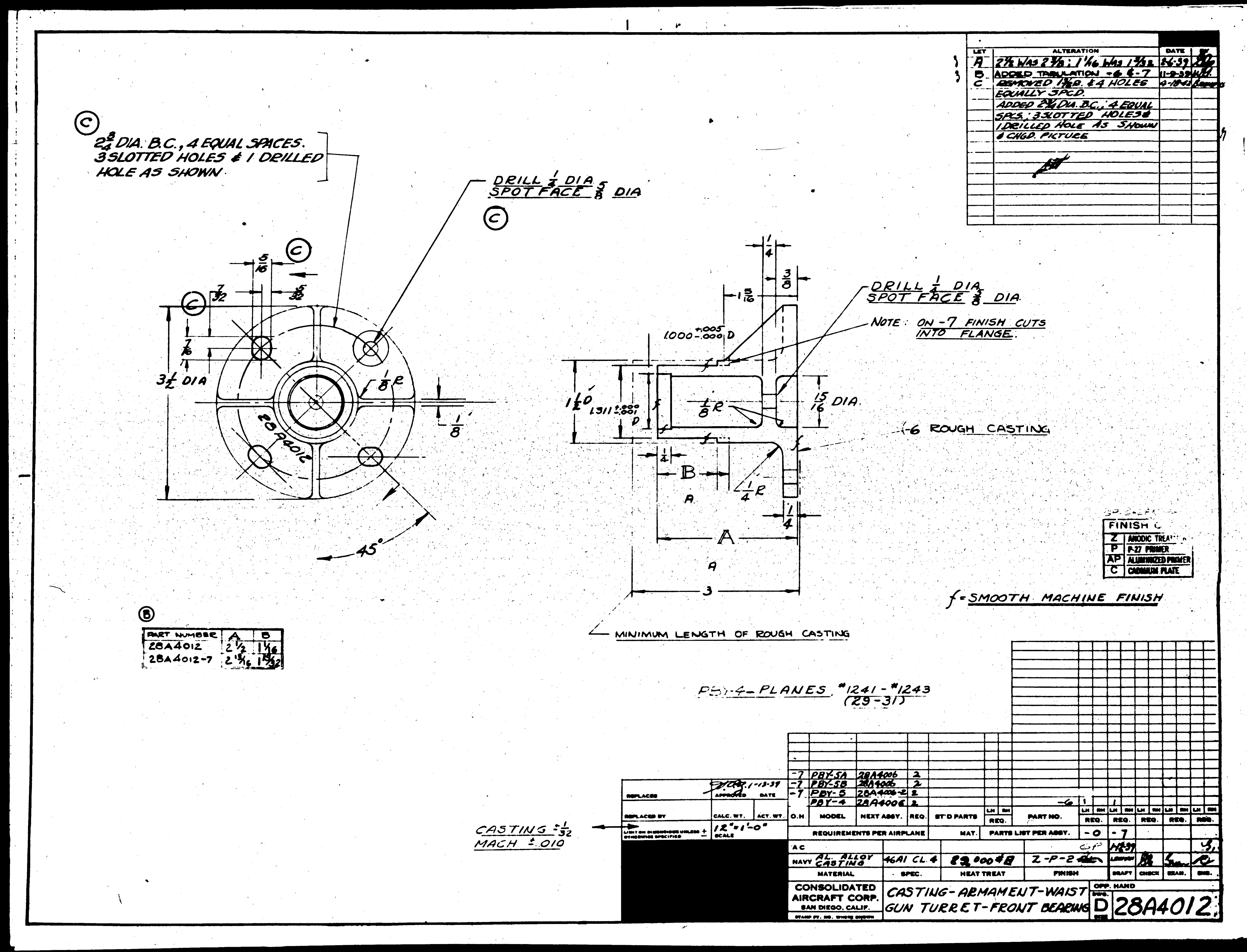
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B | TRACED | 6-17-38
FRONT ℄ SPAR
6 11/32 (REF.)
LOWER SURFACE OF WING (REF.)
A
A
B
B
28A3012 GUARD
28A3012-1 R.H.
28F3051 BRACKET (REF.)
L.H. SIDE VIEW
28A3002 (REF.) TORP. RACK
AN392-15
AN380-2-2
SECTION A-A
AN520-D10-8
AC 365-D1032
SECTION B-B
REPLACES
RCW 6-17-38
APPROVED DATE
REPLACED BY
.54 CALC. WT. ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
12" = 1'-0" SCALE
[redacted]
PBY-5A | 28A5001 | 1 | AC365-D1032 | 4
| | | AN520-D10-8 | 4
PBY-4 | 28A3001-2 | | AN380-2-2 | 2 | 28A3012-1 | 1
PBY-3 | 28A3001 | | AN392-15 | 2 | 28A3012 | 1
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
A C
NAVY — — — —
MATERIAL | SPEC. | HEAT TREAT | FINISH
11-22-37 11-22-37 G.
LIVERS
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN
NAME GUARD INST. TORP. REL. CABLE
OPP. HAND —
DWG. D SIZE
28A3013



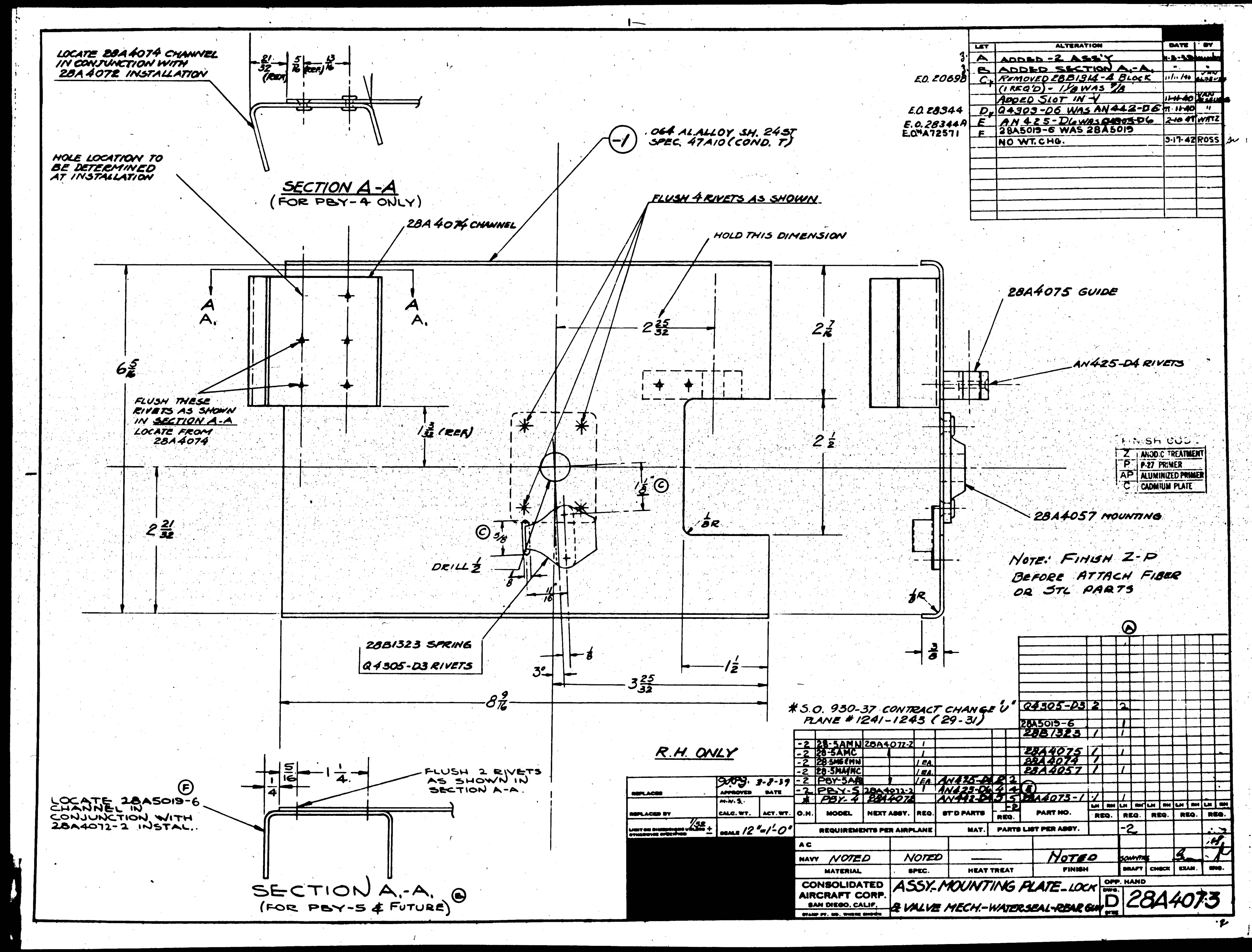
E.O. A62160
LET | ALTERATION. | DATE | BY
A | NA. 28A5132 FOR PBY-5 #91 ¢ ON -6L/R & -7L/R WAS 28A5002. NO WT CHG. | 10-8-42
-6L
-7L
-6L SHOWN
-6R OPPOSITE
-7L SHOWN
-7R OPPOSITE
DRILL #10(.193) THRU. C'SINK 82° x 3/8 DIA. DEPTH 1/8 4 PLACES.
DRILL #10(.193) THRU C'SINK 82° x 3/8 DIA. DEPTH 1/8 4 PLACES
NOTE:
PART MAY BE MOULDED - USE PHENOLIC 1TP4-CF6
CORNERS MAY BE ROUNDED 1/8 R
FOR MOULDING
C#91876 #1-90
C#70496
#114 ON
#1-#10
#70496
S.O. 936-68
CONT. #91876
#91 ¢ ON
CHG "F" S.O. 949-15
-7R | PBY-5 | 28A5002 | 2
-7L | PBY-5 | 28A5002 | 2
-6R | PBY-5 | 28A5002 | 2
-6L | PBY-5 | 28A5002 | 2
-7R | PBY-5 | 28A3002 | 2
-7L | PBY-5 | 28A3002 | 2
-6R | PBY-5 | 28A3002 | 2
-6L | PBY-5 | 28A3002 | 2
-7R | PBY-4 | | 2
-7L | PBY-4 | | 2
-6R | PBY-4 | | 2
-6L | PBY-4 | | 2
-7R | PBY-3 | | 2
-7L | PBY-3 | | 2
-6R | PBY-3 | | 2
-6L | PBY-3 | | 2
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
REPLACED BY
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
-7R | PBY-5 | 28A5132 | 2
-7L | PBY-5 | 28A5132 | 2
-6R | PBY-5 | 28A5132 | 2
-6L | PBY-5 | 28A5132 | 2
-7R | PBY-5A | 28A5002-2 | 2
-7L | PBY-5A | 28A5002-2 | 2
-6R | PBY-5A | 28A5002-2 | 2
-6L | PBY-5A | 28A5002-2 | 2
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
-7R | 3 1/8 x 2 5/8 x 1 7/8 | PHENOLIC
-7L | 3 1/8 x 2 5/8 x 1 7/8 | PHENOLIC
-6R | 3 1/8 x 3 1/8 x 2 5/8 | PHENOLIC
-6L | 3 1/8 x 3 1/8 x 2 5/8 | PHENOLIC
PART No. | STOCK | MATERIAL | SPEC.
PARTS LIST PER ASSY.
LH RH REQ. -0 | -2 | -3 | -4 | -5
AC
NAVY NONE
HEAT TREAT
NONE
FINISH
DRAFT | CHECK | STRUCT | MAT | APPROV | ENG.
OPP. HAND NOTED
NAM BUMPER BLOCK-ARM'T. TORPEDO RACKS
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
D 28A3037


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B | TRACED | 2-8-39 | WOLD
DRILL #10 (.193) 3-HOLES
DRILL #10 (.193) 3-HOLES
-3R (REF)
(REF) -1R
PART No
PART No
MAKE FROM 3/4 x 1 1/4 x 3/32 ANGLE DIE #734FF
-4
3/4 x 3/4 x 3/32 ANGLE DIE #K78C
-1
-1R
-2
3/4 x 1 1/4 x 3/32 ANGLE DIE #734 FF
+1/64 -0
3/4 x 3/4 x 3/32 ANGLE DIE # K78C
-3
-3R
GP-GREEN PRIME
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
DRILL 1/4 HOLE THRU
PUNCH BOTH SIDES USE TOOL #1J1B55
THESE SURFACES MUST BE ON SAME STRAIGHT LINE
DETAIL -6 ASS'Y
-6R ASS'Y
DETAIL -5 ASS'Y
-5R ASS'Y
NOTE: 1. ALL RIVETS AN442-D4
2. MATERIAL ALUM. ALLOY 24ST. SPEC. 46A9 COND. T.
-6R | PBY-5A | 28A5002 | 2
-6L | PBY-5A | 28A5002 | 2
-5R | PBY-5A | 28A5002 | 2
-5L | PBY-5A | 28A5002 | 2
-6R | PBY-4 | 28A3002-31
-5R | PBY-4 | 28A3002-31
-6 | PBY-4 | 28A3002-30
-5 | PBY-4 | 28A3002-30
O.H. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
AN442-D4 | 4 | 4
-4 | 1 | 1
-3R | 1 | 1
28A4002-3 | 1 | 1
PARTS ASSEM. ON -6
AN442-D4 | 4 | 4
-2 | 1 | 1
-1R | 1 | 1
28A4002-1 | 1 | 1
PARTS ASSEM. ON -5
ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
APPROVED 2-13-39 DATE
CALC. WT. ACT. WT.
SCALE 12" = 1'-0"
AC
NAVY NOTED | NOTED | NONE | Z-P-GP
MATERIAL | SPEC. | HEAT TREAT | FINISH
1-14-38 | 1-14-38 | 6
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME BRACKET ASS'Y MK. XVIII SOLENOID - TORP.
OPP. HAND
D 28A4002


SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
B TRACED
C
DIMPLE - USE TOOL #1J1538-1
1/8 R (REF.)
1/16 (REF.)
1/8 R (REF.)
1/2 (REF.)
7/8 (REF.)
SECTION A-A
SCALE 24" = 1'-0"
19/64
27/64 (REF.)
JIG DRILL THRU #10(.193) - 2 HOLES
28A4003
B.L.
76 1/2°
THESE DIM. DETERMINED BY STRAIGHT CUT ON FLAT PATTERN.
NOTE: - ALL RADII NOT OTHERWISE SPECIFIED 1/16.
ROUND CORNERS OPTIONAL - APPROX. 1/4 R. IF USED
STRAIGHT CUT
FLAT PATTERN DIAGRAM
(NO SCALE)
GP-GREEN PRIME
FINISH CODE
Z ANODIC TREATM.
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
-R PBY-6A 28A5002 1
-L PBY-5A 28A5002 1
R PBY-4 28A3002-31
PBY-4 28A3002-30
O.H.
MODEL
NEXT ASSY.
REQ.
STD PARTS
LH RH REQ.
PART NO.
LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
APPROVED
DATE
CALC.WT. .06 ACT.WT.
SCALE 12" = 1'-0" & NOTED
AC
NAVY .040 AL ALLOY SHEET (24SO)
MATERIAL
47A10 (COND A)
SPEC.
SR-53
HEAT TREAT
Z-P-GP
FINISH
DRAFT
CHECK
EXAM.
ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME BRACKET - PULLEY
MK. XVIII SOLENOID - TORP.
OPP. HAND 28A4003 R
D 28A4003

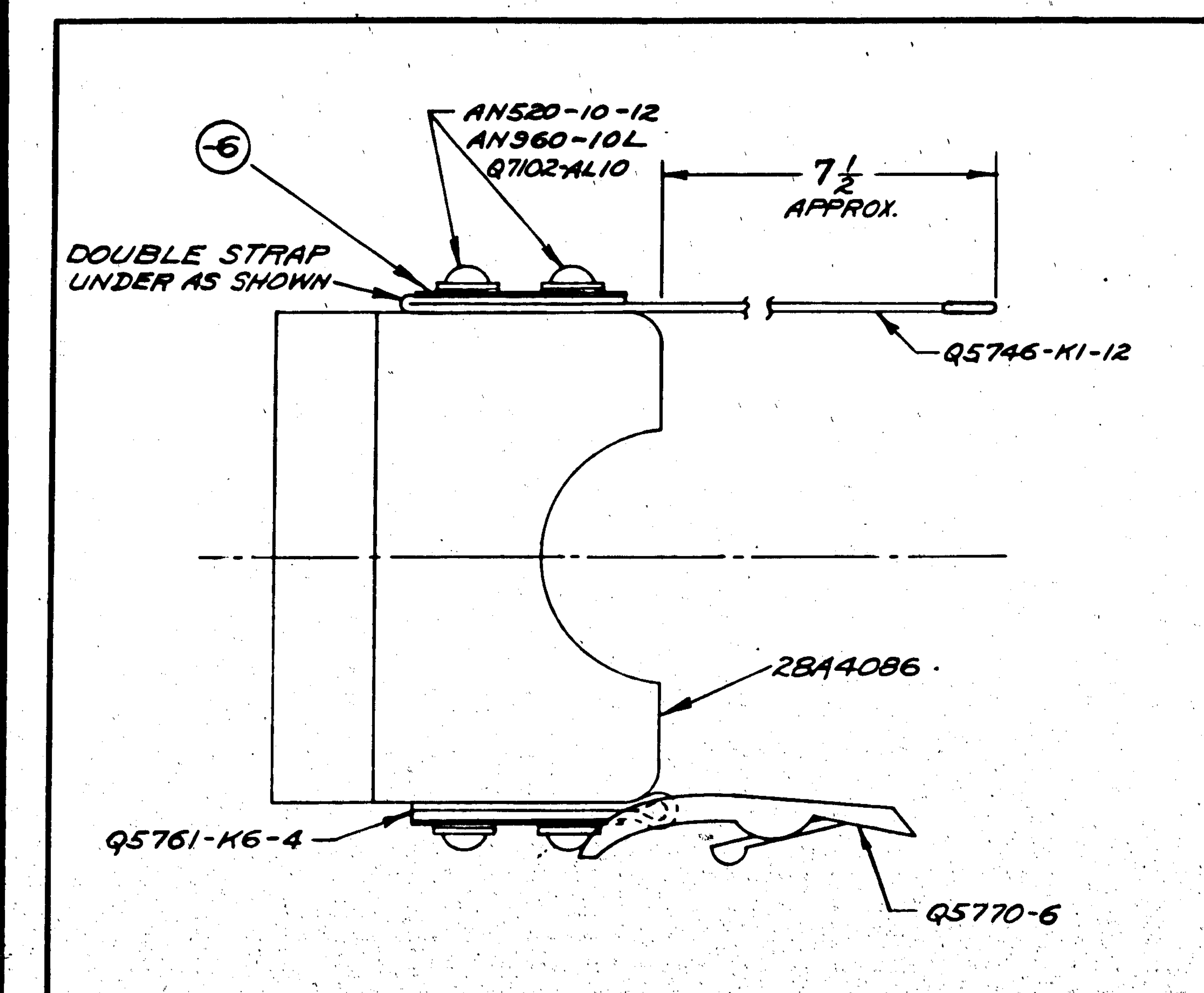


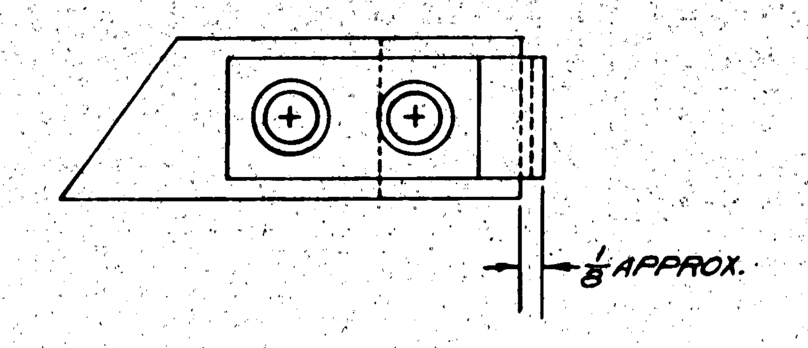
LET | ALTERATION | DATE | BY
A | 2 1/2 WAS 2 3/8 ; 1 1/16 WAS 1 3/32 | 8-6-39
B | ADDED TABULATION -6 & -7 | 11-9-39
C | REMOVED 1 7/8 B. & 4 HOLES EQUALLY SPCD. ADDED 2 3/4 DIA. B.C., 4 EQUAL SPCS.; 3 SLOTTED HOLES & 1 DRILLED HOLE AS SHOWN & CHGD. PICTURE | 4-18-42
(C) 2 3/4 DIA. B.C., 4 EQUAL SPACES. 3 SLOTTED HOLES & 1 DRILLED HOLE AS SHOWN.
DRILL 1/4 DIA SPOT FACE 5/8 DIA (C)
3 1/2 DIA
1/8 R
28A4012
45°
1/8
DRILL 1/4 DIA SPOT FACE 5/8 DIA.
NOTE: ON -7 FINISH CUTS INTO FLANGE.
1.000 +.005 -.000 D
1 1/2 D
1.311 +.000 -.001 D
1/8 R
15/16 DIA.
-6 ROUGH CASTING
1/4 R
B
A
3
MINIMUM LENGTH OF ROUGH CASTING
FINISH C
Z ANODIC TREAT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
f = SMOOTH MACHINE FINISH
(B)
PART NUMBER | A | B
28A4012 | 2 1/2 | 1 1/16
28A4012-7 | 2 15/16 | 1 15/32
PBY-4 PLANES #1241 - #1243 (29-31)
CASTING ± 1/32
MACH ± .010
-7 PBY-5A 28A4006 2
-7 PBY-5B 28A4006 2
-7 PBY-5 28A4006-2 2
PBY-4 28A4006 2
O.H. MODEL NEXT ASSY. REQ. STD PARTS REQ. PART NO. REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY. -0 -7
REPLACES APPROVED DATE 1-13-39
REPLACED BY CALC. WT. ACT. WT.
SCALE 12" = 1'-0"
NAVY AL. ALLOY CASTING 46A1 CL. 4 82,000 #B Z-P-2
MATERIAL SPEC. HEAT TREAT FINISH DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
CASTING-ARMAMENT-WAIST GUN TURRET-FRONT BEARING
OPP. HAND
D 28A4012

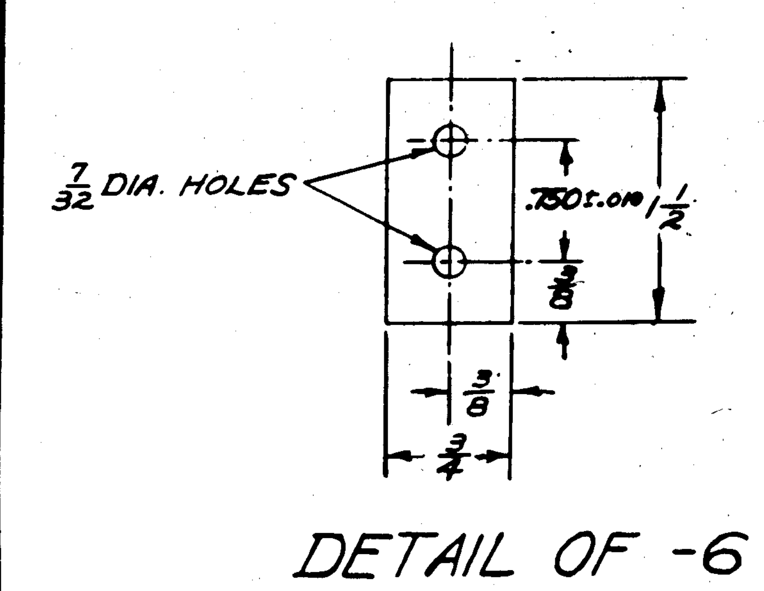


LOCATE 28A4074 CHANNEL IN CONJUNCTION WITH 28A4072 INSTALLATION
SECTION A-A
(FOR PBY-4 ONLY)
HOLE LOCATION TO BE DETERMINED AT INSTALLATION
.064 AL.ALLOY SH. 24ST SPEC. 47A10 (COND. T)
FLUSH 4 RIVETS AS SHOWN
28A4074 CHANNEL
HOLD THIS DIMENSION
FLUSH THESE RIVETS AS SHOWN IN SECTION A-A LOCATE FROM 28A4074
28A4075 GUIDE
AN425-D4 RIVETS
28A4057 MOUNTING
NOTE: FINISH Z-P BEFORE ATTACH FIBER OR STL PARTS
DRILL 1/2
28B1323 SPRING
Q4305-D3 RIVETS
R.H. ONLY
*S.O. 930-37 CONTRACT CHANGE "U" PLANE #1241-1243 (29-31)
LOCATE 28A5019-6 CHANNEL IN CONJUNCTION WITH 28A4072-2 INSTAL.
FLUSH 2 RIVETS AS SHOWN IN SECTION A-A
SECTION A-A
(FOR PBY-5 & FUTURE)
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
A ADDED -2 ASS'Y
B ADDED SECTION A-A
E.O. 20698 C REMOVED 28B1914-4 BLOCK (1 REQ'D) - 1 1/8 WAS 7/8 ADDED SLOT IN -1
E.O. 28344 D Q4303-D6 WAS AN442-D6
E.O. 28344A E AN425-D6 WAS
E.O. A72571 F 28A5019-6 WAS 28A5019 NO WT. CHG. 3-17-42 ROSS
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS REQ. PART NO. REQ.
-2 28-5AMN 28A4072-2 1
-2 28-5AMC 1
-2 28-5ME&MN 1 EA.
-2 28-5MA&MC 1 EA.
-2 PBY-5A 1 EA. AN425-D4 2 2
-2 PBY-5 28A4072-2 1 AN425-D6 4 4
* PBY-4 28A4072 5 5 28A4073-1 1 1
Q4305-D3 2 2
28A5019-6 1
28B1323 1 1
28A4075 1 1
28A4074 1
28A4057 1 1
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY. -2
SCALE 12"=1'-0"
NAVY NOTED NOTED NOTED
MATERIAL SPEC. HEAT TREAT FINISH DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
ASSY.-MOUNTING PLATE-LOCK & VALVE MECH.-WATERSEAL-REAR GUN
OPP. HAND
D 28A4073

LET	ALTERATION	DATE	BY
E	28A 4087 OF 4-14-39 REPLACED BY		
	28A4087 OF 5-22-42	5-22-42	[illegible]







DETAIL OF -6

FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
-R	PBY-5A	28A4006	1
-L	PBY-5A	28A4006	1
-R	PBY-5B	28A4006	1
-L	PBY-5B	28A4006	1
-R	PBY-5	28A4006	1
-L	PBY-5	28A4006	1

REQUIREMENTS PER AIRPLANE

REPLACES 28A4087 OF 4-14-39 — .45 CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 & NOTED — SCALE 12"=1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	-0 LH REQ.	-0 RH REQ.	-2 LH REQ.	-2 RH REQ.	-3 LH REQ.	-3 RH REQ.	-4 LH REQ.	-4 RH REQ.	-5 LH REQ.	-5 RH REQ.
AN960-10L				4	4								
AN520-10-12				4	4								
Q7102-AL10				4	4								
Q5746-K1-12				1	1								
Q5761-K6-4				1	1								
Q5770-6				1	1								
28A4086				1	1								
28A4087-6	.032 x 7/8 x 1 1/2	ALCLAD	47A8-T	2	2								

PARTS LIST PER ASSY.

AC		TRUESDELL					
NAVY NONE	Z-P-AP -6 ONLY	5-29-42					
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	M&T	APPROV	ENG

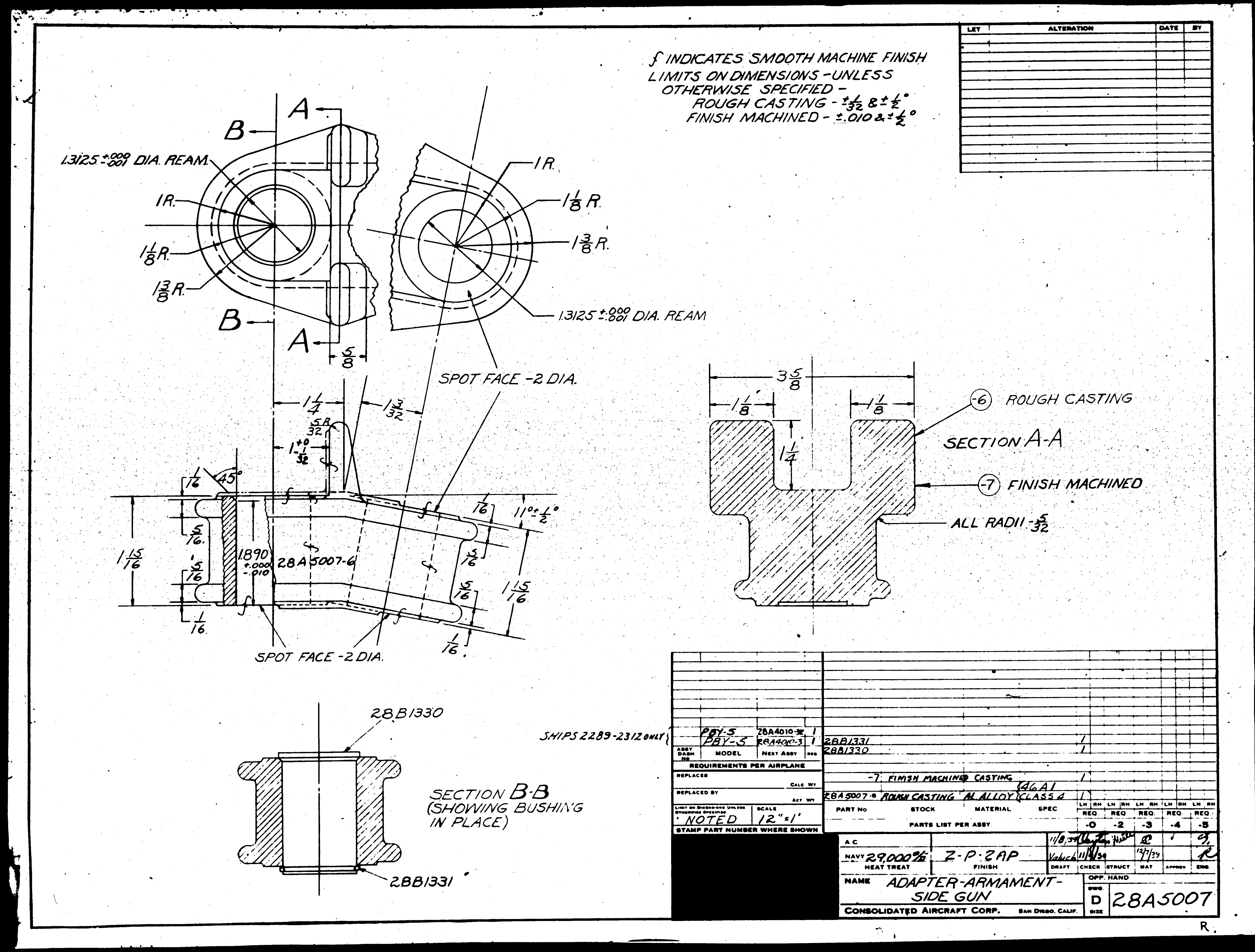
NAME STRAP ASSY.- ARMAMENT- WAIST GUN STOWAGE

OPP. HAND 28A4087-R

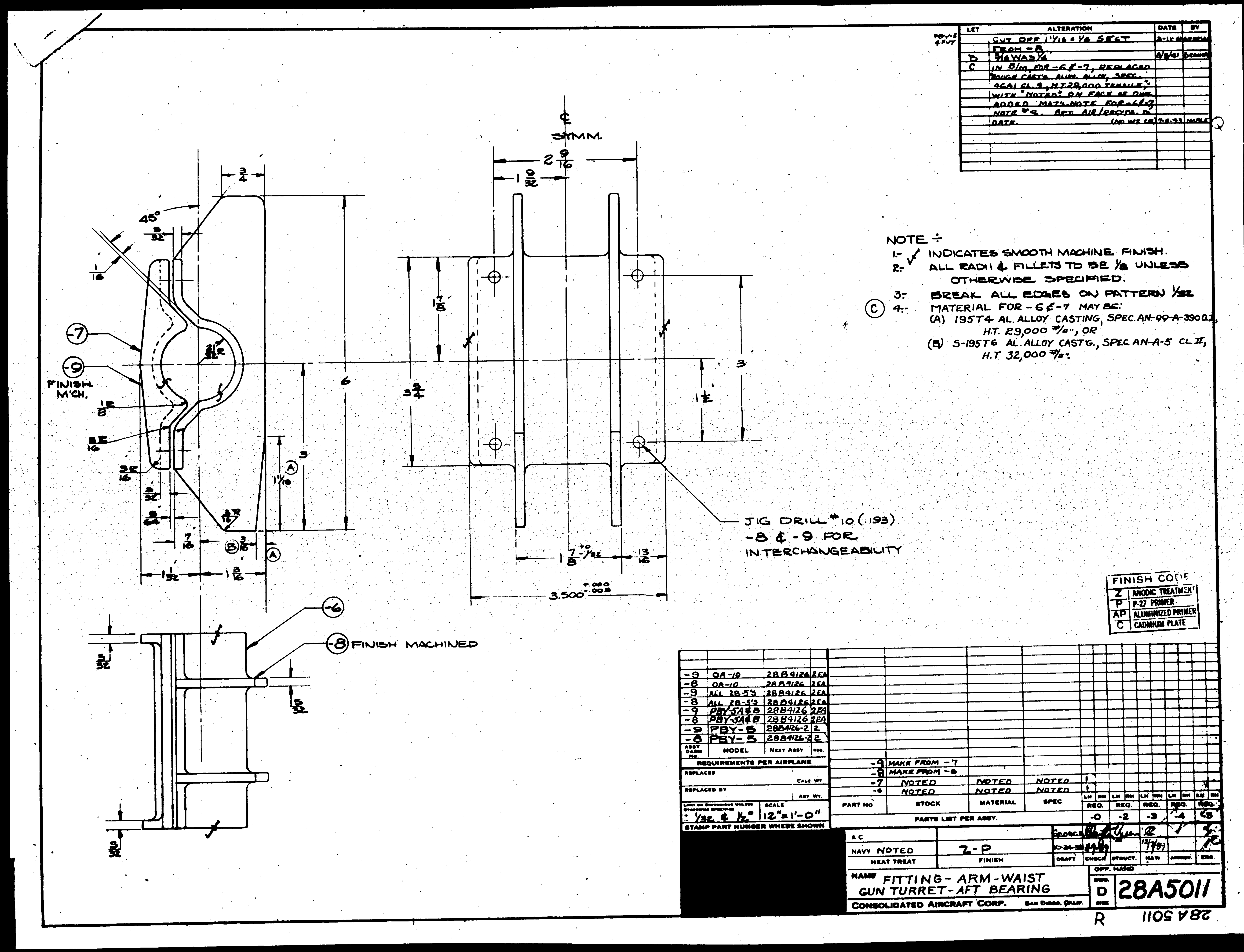
DWG. SIZE D — 28A4087

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

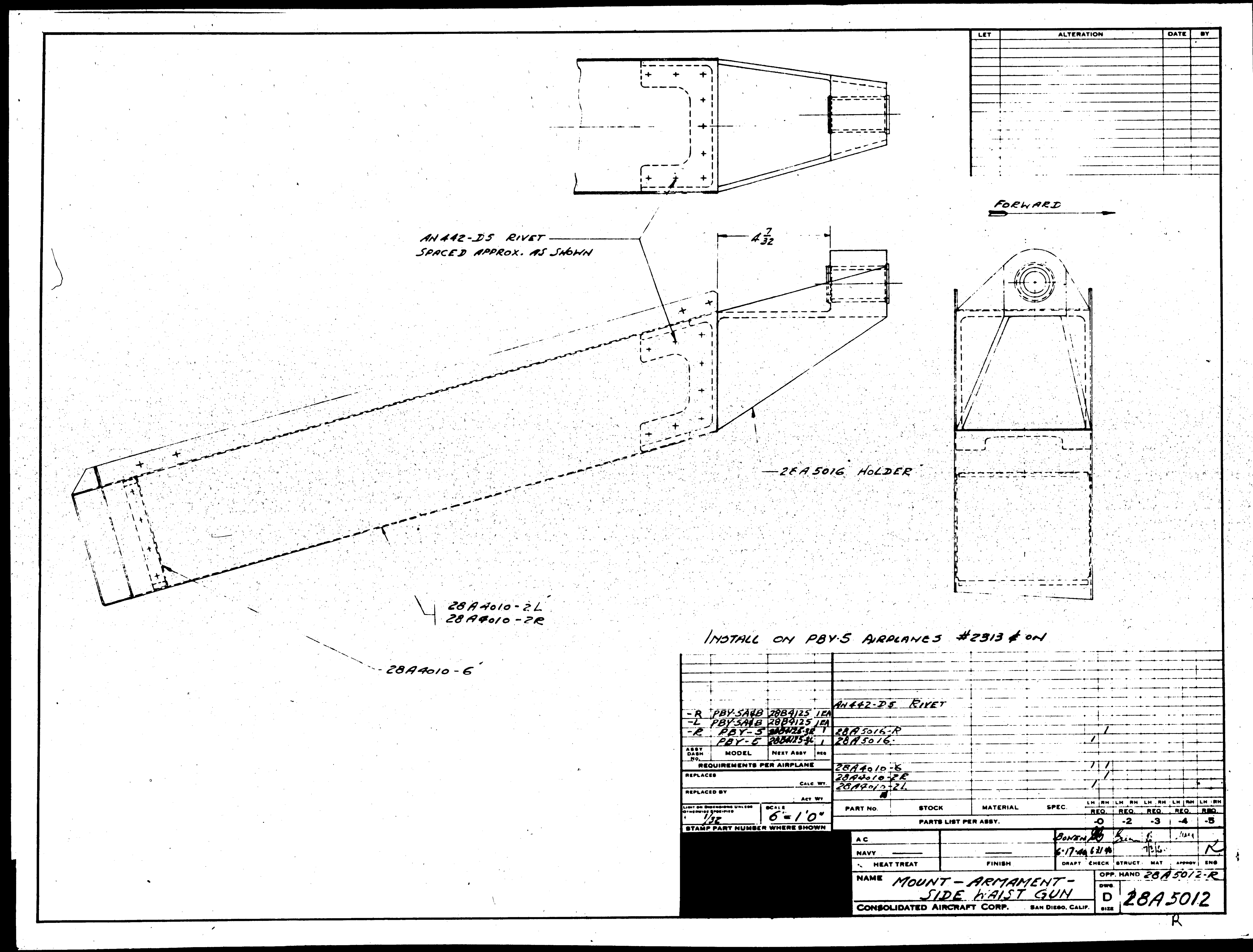
R

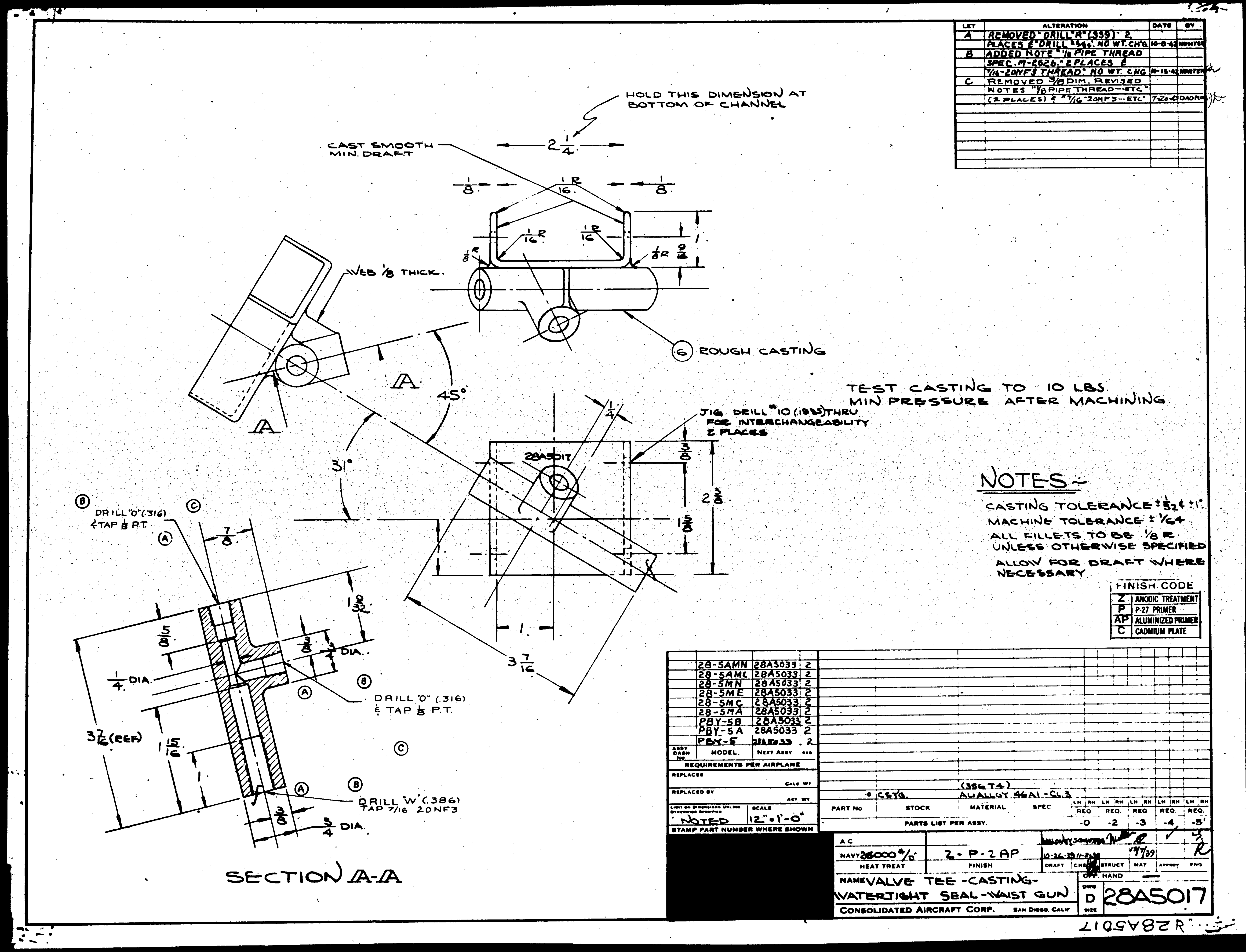


LET | ALTERATION | DATE | BY
ʃ INDICATES SMOOTH MACHINE FINISH
LIMITS ON DIMENSIONS - UNLESS OTHERWISE SPECIFIED -
ROUGH CASTING - ±1/32 & ±1/2°
FINISH MACHINED - ±.010 & ±1/2°
A
B
1.3125 +.000 -.001 DIA. REAM
1 R.
1 1/8 R.
1 3/8 R.
5/8
SPOT FACE - 2 DIA.
1 1/4
1 3/32
5/32 R.
1 +0 -1/32
1/16
45°
5/16
1 15/16
1.890 +.000 -.010
28A5007-6
11° ± 1/2°
1/16
SPOT FACE - 2 DIA.
3 5/8
1 1/8
1 1/4
-6 ROUGH CASTING
SECTION A-A
-7 FINISH MACHINED
ALL RADII - 5/32
28B1330
SECTION B-B
(SHOWING BUSHING IN PLACE)
28B1331
SHIPS 2289-2312 ONLY
PBY-5 | 28A4010-3 | 1
PBY-5 | 28A4010-3 | 1
ASSY DASH No | MODEL | NEXT ASSY | REQ
REQUIREMENTS PER AIRPLANE
REPLACES | CALC WT
REPLACED BY | ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED NOTED
SCALE 12" = 1'
STAMP PART NUMBER WHERE SHOWN
28B1331 | 1
28B1330 | 1
-7 FINISH MACHINED CASTING | 1
28A5007-6 ROUGH CASTING AL. ALLOY 46A1 CLASS 4 | 1
PART No | STOCK | MATERIAL | SPEC
PARTS LIST PER ASSY
LH RH REQ. -0 | -2 | -3 | -4 | -5
A C
NAVY 29,000 HEAT TREAT
Z-P-ZAP FINISH
11/8/34 | 11/8/34 | 12/7/34
DRAFT | CHECK | STRUCT | MAT | APPROV | ENG.
OPP. HAND
NAME ADAPTER-ARMAMENT-SIDE GUN
DWG. SIZE D
28A5007
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R.



CUT OFF 1 1/16 = 1/4 SECT FROM -8
B 5/16 WAS 1/4
C IN B/M, FOR -6 & -7, REPLACED ROUGH CAST'G ALUM. ALLOY, SPEC. 46A1 CL. 4, H.T. 29,000 TENSILE, WITH "NOTED" ON FACE OF DWG. ADDED MAT'L NOTE FOR -6 & -7 NOTE #4. BRT. AIR/REQ'TS. TO DATE.
LET
ALTERATION
DATE
BY
SYMM.
NOTE ÷
1- ✓ INDICATES SMOOTH MACHINE FINISH.
2- ALL RADII & FILLETS TO BE 1/8 UNLESS OTHERWISE SPECIFIED.
3- BREAK ALL EDGES ON PATTERN 1/32
4- MATERIAL FOR -6 & -7 MAY BE:
(A) 195T4 AL. ALLOY CASTING, SPEC. AN-QQ-A-390 CL. H.T. 29,000 #/□", OR
(B) S-195T6 AL. ALLOY CAST'G., SPEC. AN-A-5 CL. II, H.T. 32,000 #/□".
FINISH M'CH.
JIG DRILL #10 (.193) -8 & -9 FOR INTERCHANGEABILITY
-6
-8 FINISH MACHINED
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
-9 OA-10 28B4126 2EA
-8 OA-10 28B4126 2EA
-9 ALL 28-5'S 28B4126 2EA
-8 ALL 28-5'S 28B4126 2EA
-9 PBY-5A & B 28B4126 2EA
-8 PBY-5A & B 28B4126 2EA
-9 PBY-5 28B4126-2 2
-8 PBY-5 28B4126-2 2
ASSY DASH NO.
MODEL
NEXT ASSY
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
± 1/32 & 1/2°
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
-9 MAKE FROM -7
-8 MAKE FROM -6
-7 NOTED NOTED NOTED
-6 NOTED NOTED NOTED
PART NO
STOCK
MATERIAL
SPEC.
REQ. -0
REQ. -2
REQ. -3
REQ. -4
REQ. -5
PARTS LIST PER ASSY.
NAVY NOTED
HEAT TREAT
Z-P
FINISH
DRAFT
CHECK
STRUCT.
MAT'L
APPROV.
ENG.
OPP. HAND
NAME FITTING-ARM-WAIST GUN TURRET-AFT BEARING
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
D
28A5011
R


LET
ALTERATION
DATE
BY
FORWARD
AN442-D5 RIVET
SPACED APPROX. AS SHOWN
$4\frac{7}{32}$
28A5016 HOLDER
28A4010-2L
28A4010-2R
28A4010-6
INSTALL ON PBY-5 AIRPLANES #2313 & ON
-R PBY-5A&B 28B4125 1EA
-L PBY-5A&B 28B4125 1EA
-R PBY-5
PBY-5
ASSY DASH NO.
MODEL
NEXT ASSY
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/32
SCALE
6" = 1'0"
STAMP PART NUMBER WHERE SHOWN
[redacted]
AN442-D5 RIVET
28A5016-R
28A5016
28A4010-6
28A4010-2R
28A4010-2L
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
-0 -2 -3 -4 -5
PARTS LIST PER ASSY.
AC
NAVY
HEAT TREAT
FINISH
BOWEN
6-17-44
DRAFT
CHECK
STRUCT.
MAT
APPROV
ENG
OPP. HAND 28A5012-R
NAME MOUNT-ARMAMENT-SIDE WAIST GUN
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
DWG. SIZE D
28A5012
R



LET	ALTERATION	DATE	BY
A	REMOVED "DRILL "A" (339)" 2 PLACES & "DRILL" NO WT. CH'G.	10-8-42	HUNTER
B	ADDED NOTE "1/8 PIPE THREAD SPEC. M-2826." 2 PLACES & "7/16-20NF3 THREAD" NO WT. CHG	10-15-42	HUNTER
C	REMOVED 3/8 DIM. REVISED NOTES "1/8 PIPE THREAD---ETC" (2 PLACES) & "7/16-20NF3---ETC"	7-20-43	DAOMAN

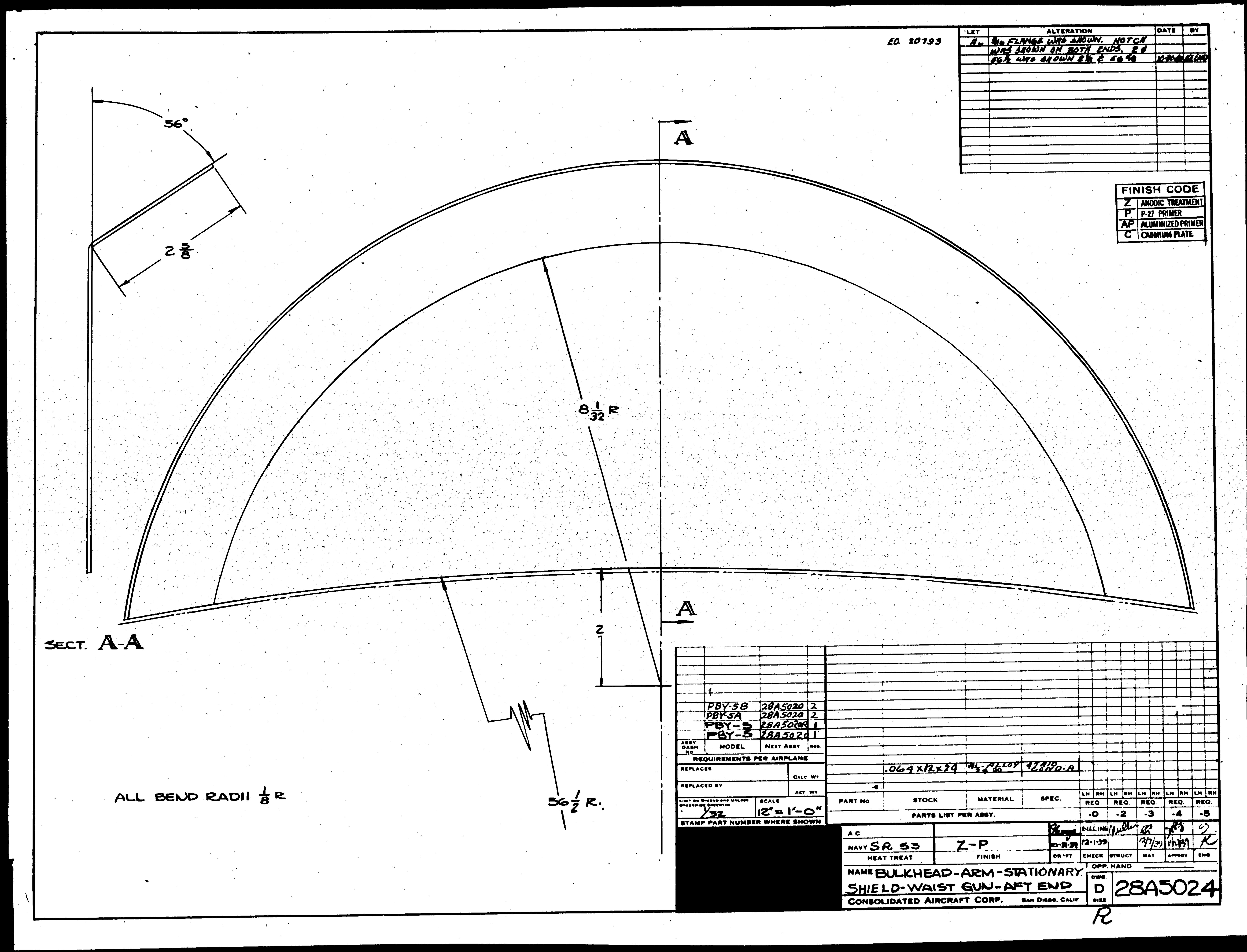
HOLD THIS DIMENSION AT BOTTOM OF CHANNEL
CAST SMOOTH MIN. DRAFT
WEB 1/8 THICK.
6 ROUGH CASTING
TEST CASTING TO 10 LBS. MIN PRESSURE AFTER MACHINING
JIG DRILL #10 (.1935) THRU FOR INTERCHANGEABILITY 2 PLACES
28A5017
45°
31°
A
NOTES ~
CASTING TOLERANCE ±1/32 & ±1°
MACHINE TOLERANCE ±1/64
ALL FILLETS TO BE 1/8 R UNLESS OTHERWISE SPECIFIED
ALLOW FOR DRAFT WHERE NECESSARY

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

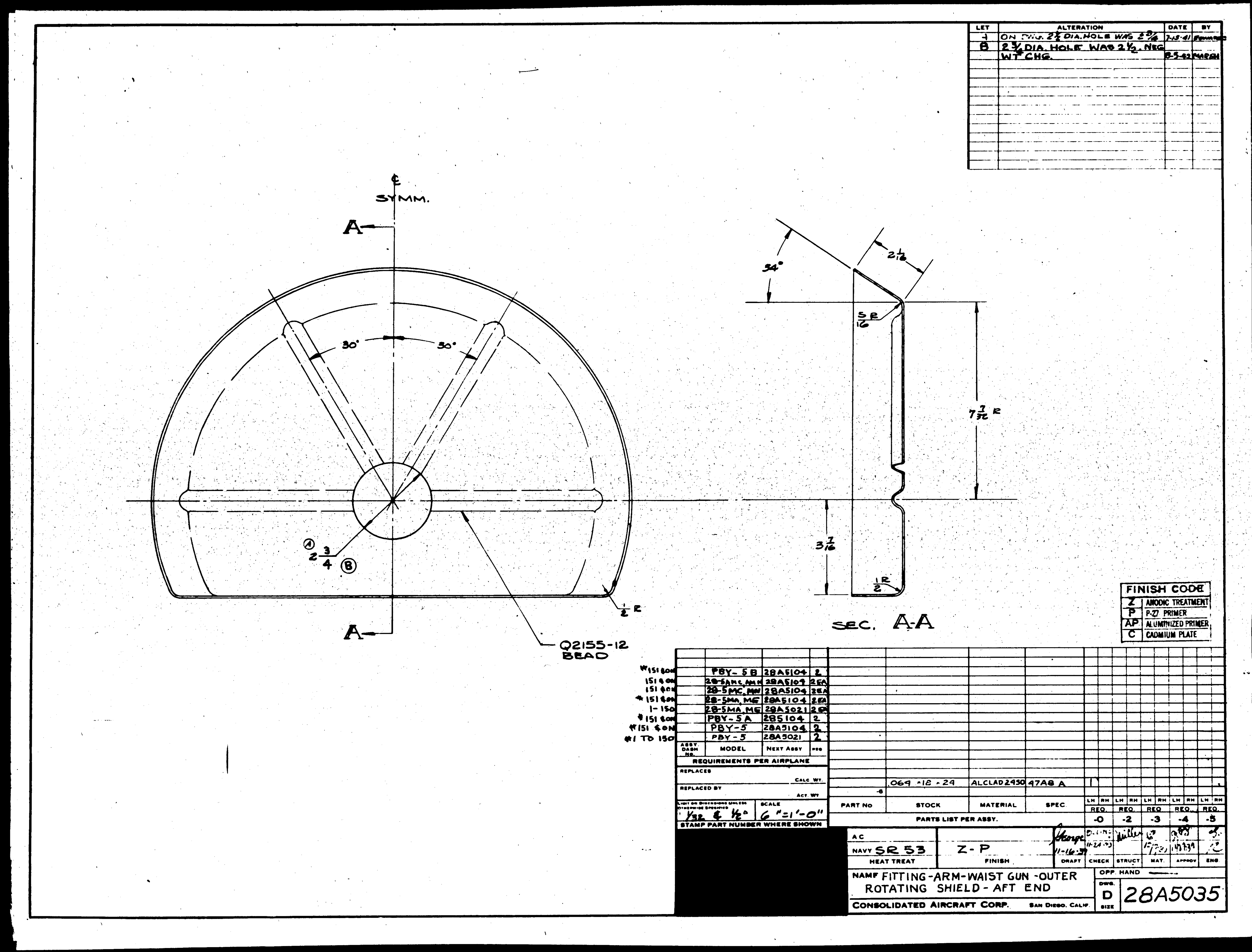
DRILL "O" (.316) & TAP 1/8 P.T.
DRILL "W" (.386) TAP 7/16 20NF3
3 7/16 (REF)
3/4 DIA.
1/4 DIA.
SECTION A-A

ASSY DASH NO.	MODEL.	NEXT ASSY	REQ
	28-5AMN	28A5033	2
	28-5AMC	28A5033	2
	28-5MN	28A5033	2
	28-5ME	28A5033	2
	28-5MC	28A5033	2
	28-5MA	28A5033	2
	PBY-5B	28A5033	2
	PBY-5A	28A5033	2
	PBY-5	28A5033	2

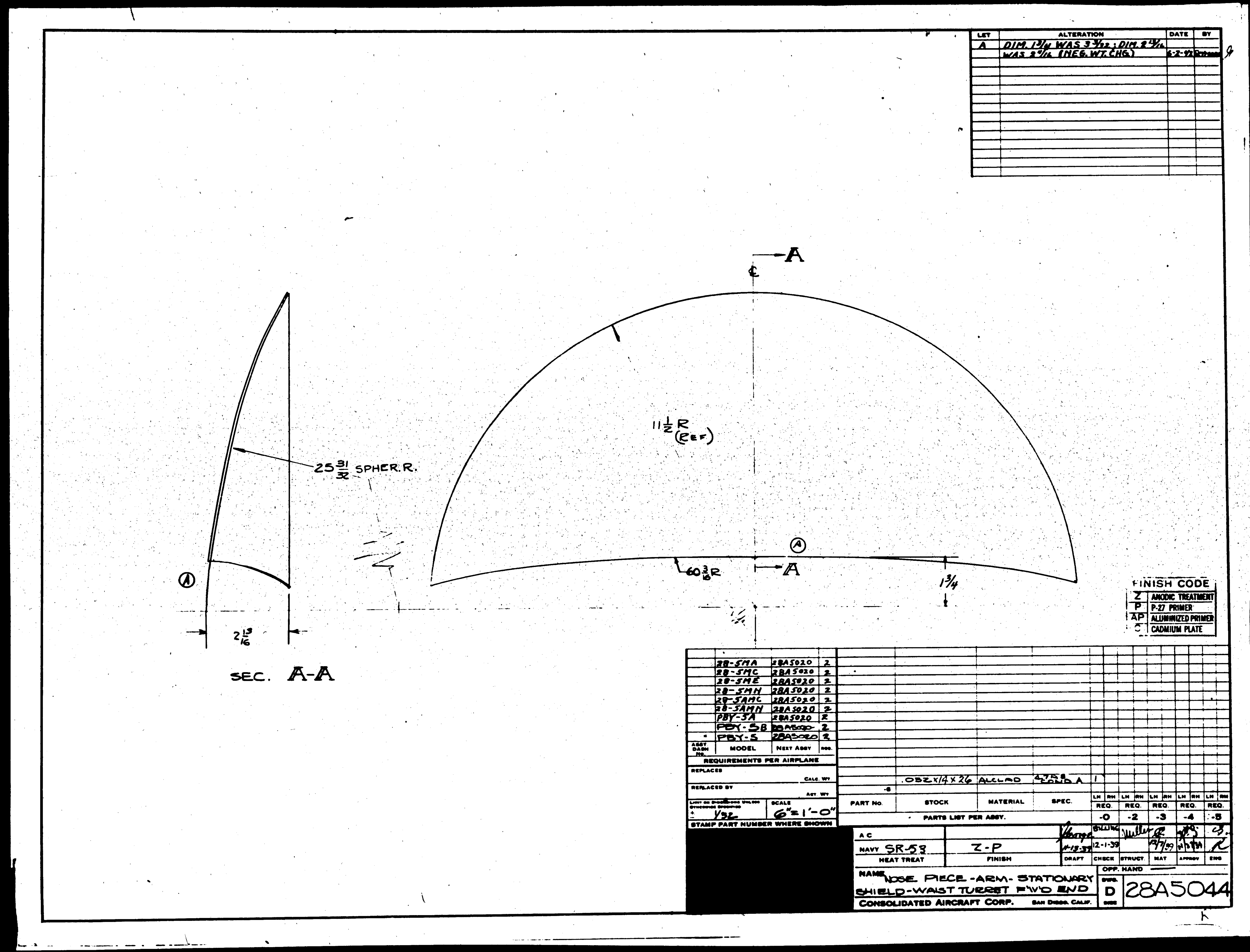
REQUIREMENTS PER AIRPLANE
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: NOTED
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
PART No: -6 | STOCK: CSTG. | MATERIAL: ALALLOY 46A1-CL.3 (356 T4)
PARTS LIST PER ASSY.
HEAT TREAT: NAVY 26000 #/□"
FINISH: Z-P-2AP
NAME VALVE TEE-CASTING-WATERTIGHT SEAL-WAIST GUN
D 28A5017
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF

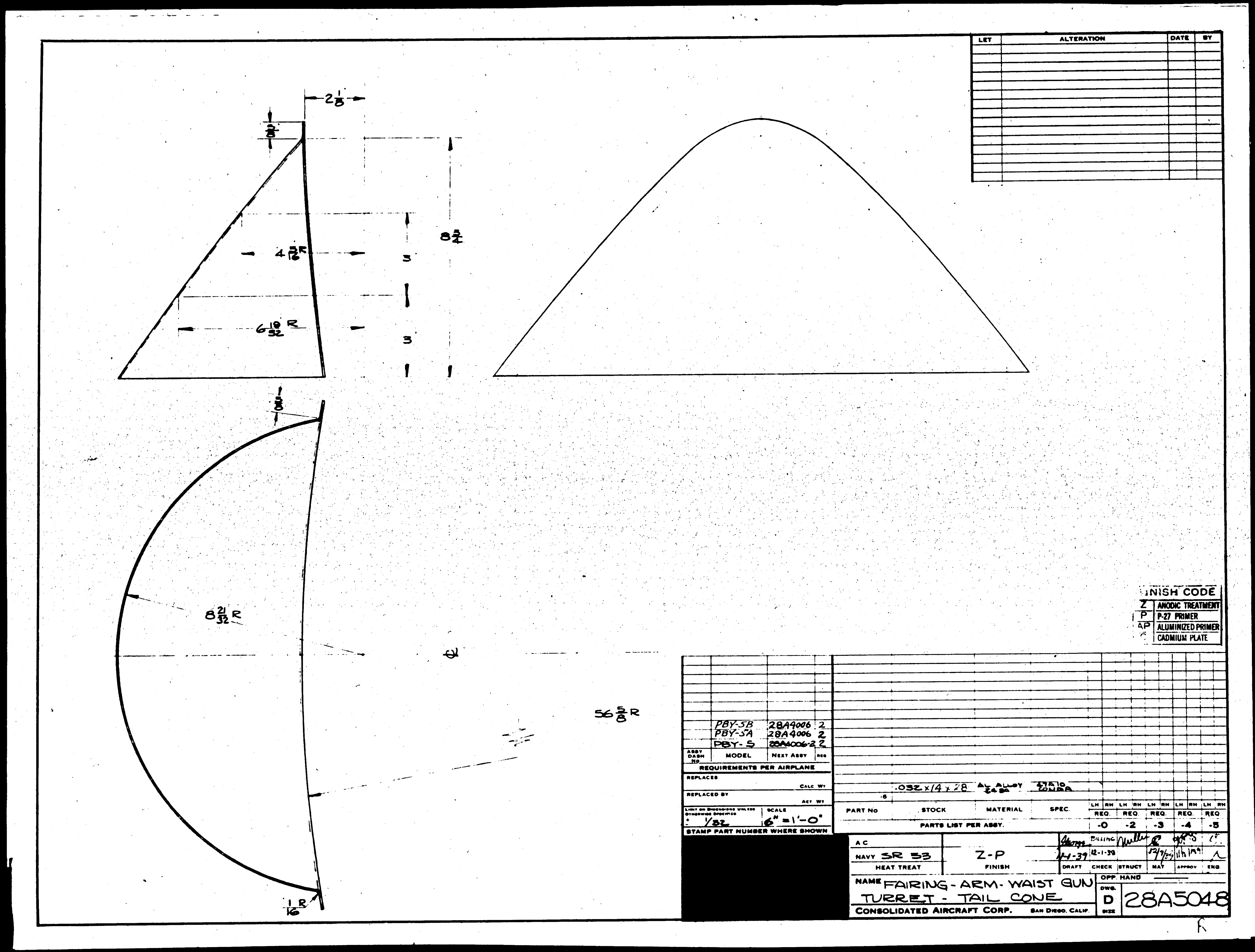


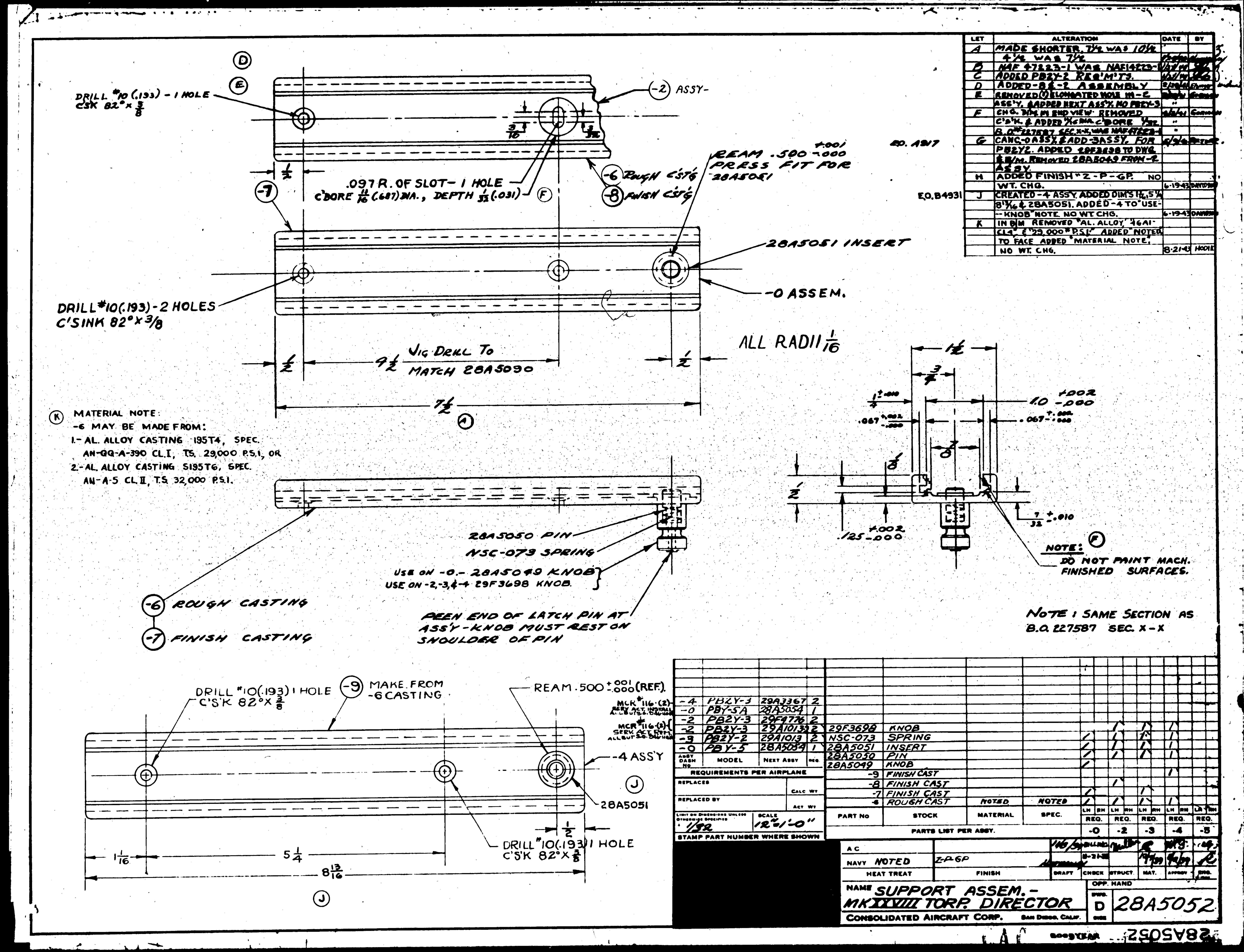
E.O. 20793
LET
ALTERATION
DATE
BY
A
FLANGE WAS SHOWN. NOTCH WAS SHOWN ON BOTH ENDS. 2 & 56½ WAS SHOWN
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
56°
2 5/8
A
8 1/32 R
A
2
SECT. A-A
56 1/2 R.
ALL BEND RADII 1/8 R
PBY-5B 28A5020 2
PBY-5A 28A5020 2
PBY-5 28A5020R 1
PBY-5 28A5020 1
ASSY DASH NO
MODEL
NEXT ASSY
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
CALC WT
REPLACED BY
ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
1/32
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.064 X 12 X 24
AL. ALLOY
COND. A
-6
PART No
STOCK
MATERIAL
SPEC.
LH RH REQ -0
LH RH REQ. -2
LH RH REQ. -3
LH RH REQ. -4
LH RH REQ. -5
PARTS LIST PER ASSY.
A C
NAVY SR 53
HEAT TREAT
Z-P
FINISH
DR'FT
CHECK
STRUCT
MAT
APPROV
ENG
12-1-39
OPP. HAND
NAME BULKHEAD-ARM-STATIONARY SHIELD-WAIST GUN-AFT END
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
DWG. D SIZE
28A5024
R



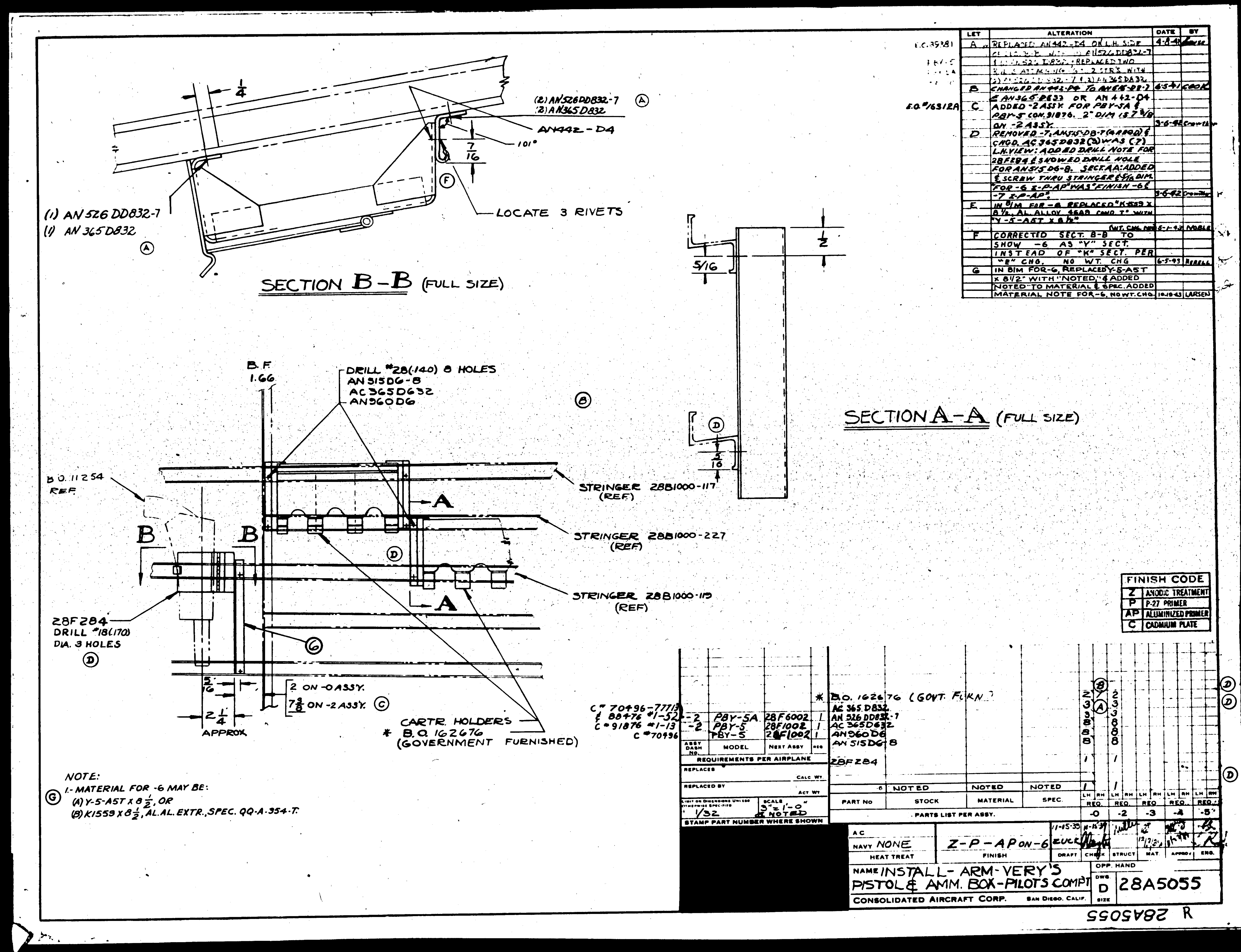
LET | ALTERATION | DATE | BY
A | ON DWG. 2 1/2 DIA. HOLE WAS 2 5/8 | 7-15-41
B | 2 3/4 DIA. HOLE WAS 2 1/2. NEG WT CHG. | 8-5-42 | MARSH
℄ SYMM.
A
A
30°
30°
Ⓐ 2 3/4 Ⓑ
1/2 R
Q2155-12 BEAD
54°
2 1/16
5/16 R
7 7/32 R
3 7/16
1/2 R
SEC. A-A
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
#151 & ON | PBY-5B | 28A5104 | 2
151 & ON | 28-5AMC, AMN | 28A5109 | 2 EA
151 & ON | 28-5MC, MN | 28A5104 | 2 EA
#151 & ON | 28-5MA, ME | 28A5104 | 2 EA
1-150 | 28-5MA, ME | 28A5021 | 2 EA
#151 & ON | PBY-5A | 285104 | 2
#151 & ON | PBY-5 | 28A5104 | 2
#1 TO 150 | PBY-5 | 28A5021 | 2
ASSY. DASH NO. | MODEL | NEXT ASSY | REQ
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 1/32 & 1/2°
SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
-6 | .069 × 12 × 29 | ALCLAD 24SO | 47A8 A
PART No | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY SR 53
HEAT TREAT
Z-P
FINISH
DRAFT 11-16-39
CHECK 11-24-39
STRUCT
MAT.
APPROV
ENG.
OPP. HAND
NAME FITTING-ARM-WAIST GUN-OUTER ROTATING SHIELD-AFT END
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
DWG. SIZE D
28A5035

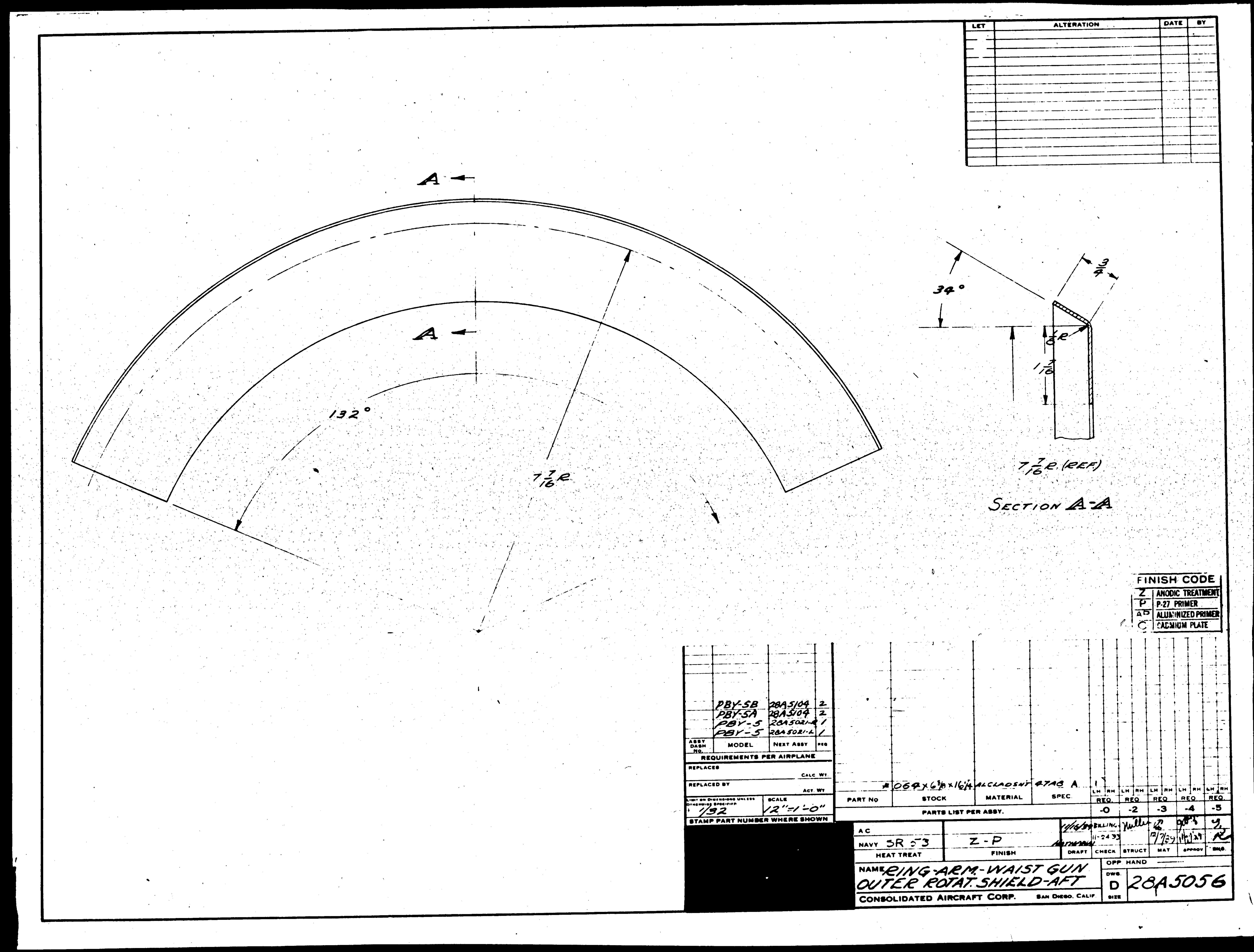

LET
ALTERATION
DATE
BY
A
DIM. 1 3/4 WAS 3 3/32 ; DIM. 2 13/16 WAS 2 9/16 (NEG. WT. CHG.)
6-2-42
SEC. A-A
25 31/32 SPHER. R.
2 13/16
11 1/2 R (REF)
60 3/16 R
1 3/4
A
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
28-5MA 28A5020 2
28-5MC 28A5020 2
28-5ME 28A5020 2
28-5MN 28A5020 2
28-5AMC 28A5020 2
28-5AMN 28A5020 2
PBY-5A 28A5020 2
PBY-5B 28A5020 2
PBY-5 28A5020 2
ASSY. DASH No.
MODEL
NEXT ASSY
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/32
SCALE
6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
-6
.032 x 14 x 26 ALCLAD 24ST COND A 1
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
-0 -2 -3 -4 -5
PARTS LIST PER ASSY.
A C
NAVY SR-53
HEAT TREAT
Z-P
FINISH
11-15-39
12-1-39
12/7/39
DRAFT
CHECK
STRUCT.
MAT
APPROV
ENG
OPP. HAND
NAME NOSE PIECE - ARM - STATIONARY SHIELD - WAIST TURRET FWD END
DWG. SIZE
D
28A5044
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.


LET
ALTERATION
DATE
BY
2 1/8
3/8
8 3/4
4 3/16 R
3
6 19/32 R
3
1/8
8 21/32 R
56 5/8 R
1/16 R
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
CADMIUM PLATE
PBY-5B 28A4006 2
PBY-5A 28A4006 2
PBY-5 28A4006-2 2
ASSY DASH NO
MODEL
NEXT ASSY
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
CALC WT
REPLACED BY
ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
-6 .032 x 14 x 28 AL ALLOY 24 SO
PART No
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
[redacted]
A C
NAVY SR 53
HEAT TREAT
Z-P
FINISH
12-1-39
12-1-39
12/7/39
DRAFT
CHECK
STRUCT
MAT
APPROV
ENG
OPP. HAND
NAME FAIRING - ARM - WAIST GUN TURRET - TAIL CONE
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
DWG. SIZE D
28A5048

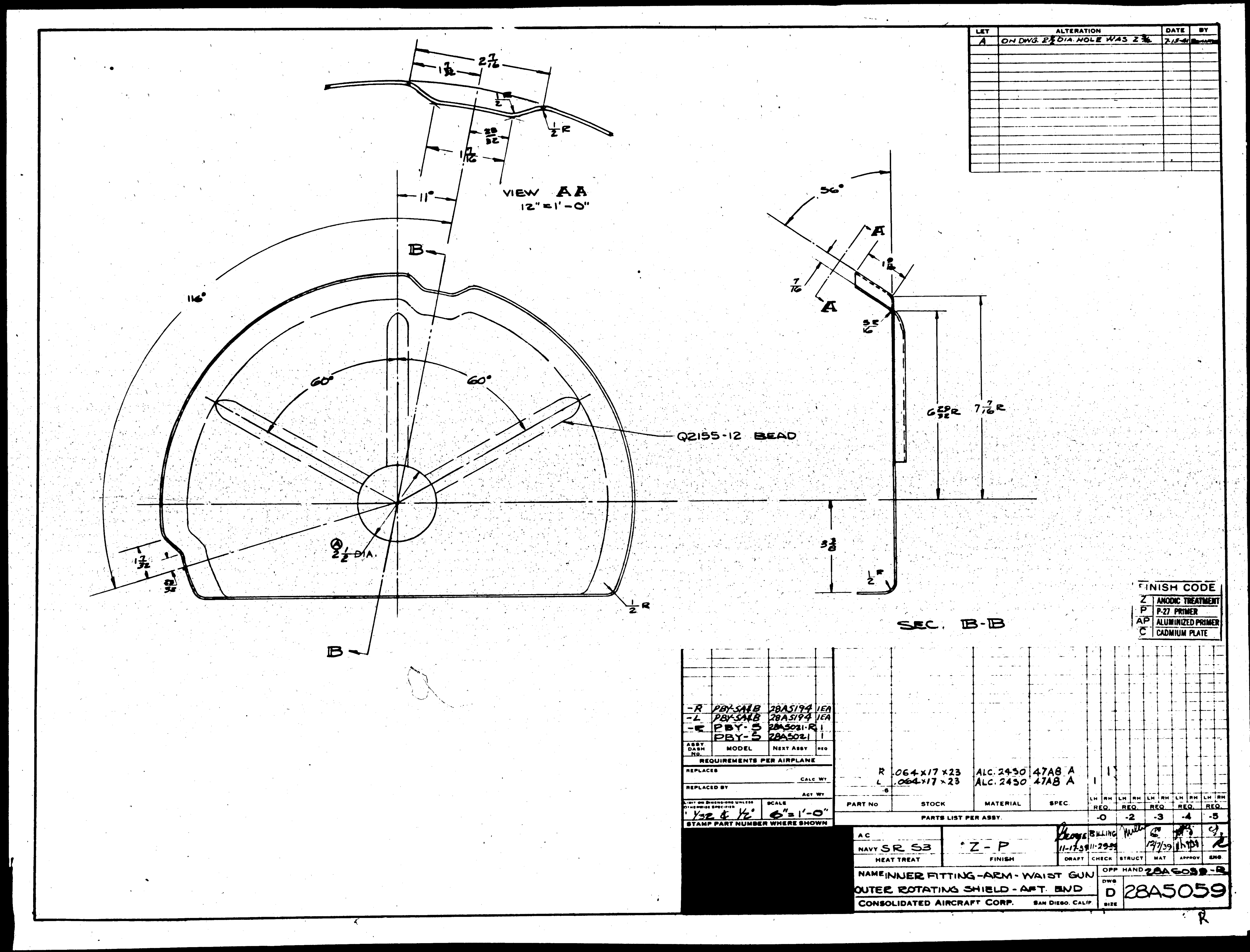


DRILL #10 (.193) - 1 HOLE CSK 82° × 3/8
(-2) ASSY-
.097 R. OF SLOT - 1 HOLE
C'BORE 11/16 (.687) DIA., DEPTH 1/32 (.031)
-6 ROUGH C'ST'G
-8 FINISH C'ST'G
REAM .500 +.001 -.000 PRESS FIT FOR 28A5051
E.O. A917
E.O. B4931
-7
28A5051 INSERT
DRILL #10 (.193) - 2 HOLES C'SINK 82° × 3/8
-0 ASSEM.
JIG DRILL TO MATCH 28A5090
ALL RADII 1/16
MATERIAL NOTE:
-6 MAY BE MADE FROM:
1.- AL. ALLOY CASTING 195T4, SPEC. AN-QQ-A-390 CL.I, T.S. 29,000 P.S.I, OR
2.- AL. ALLOY CASTING S195T6, SPEC. AN-A-5 CL.II, T.S. 32,000 P.S.I.
28A5050 PIN
NSC-073 SPRING
USE ON -0.- 28A5049 KNOB
USE ON -2,-3,&-4 29F3698 KNOB.
-6 ROUGH CASTING
-7 FINISH CASTING
PEEN END OF LATCH PIN AT ASS'Y - KNOB MUST REST ON SHOULDER OF PIN
NOTE: DO NOT PAINT MACH. FINISHED SURFACES.
NOTE: SAME SECTION AS B.O. 227587 SEC. X-X
DRILL #10 (.193) 1 HOLE C'S'K 82° × 3/8
-9 MAKE FROM -6 CASTING
REAM .500 +.001 -.000 (REF.)
-4 ASS'Y
28A5051
DRILL #10 (.193) 1 HOLE C'S'K 82° × 3/8
LET | ALTERATION | DATE | BY
A MADE SHORTER, 7 1/2 WAS 10 1/2, 4 1/2 WAS 7 1/2
B NAF 47223-1 WAS NAF14923-1
C ADDED PB2Y-2 REQ'M'TS.
D ADDED -2 & -2 ASSEMBLY
E REMOVED (1) ELONGATED HOLE IN -2 ASS'Y, ADDED NEXT ASS'Y NO PB2Y-3
F CHG. DIM IN END VIEW. REMOVED C'S'K. & ADDED 11/16 DIA. C'BORE 1/32. B.O. 227587 SEC X-X, WAS NAF47223-1
G CANC. -0 ASSY & ADD -3 ASSY. FOR PB2Y2. ADDED 29F3698 TO DWG. & B/M. REMOVED 28A5049 FROM -2 ASSY.
H ADDED FINISH "Z-P-GP." NO WT. CHG.
J CREATED -4 ASSY. ADDED DIMS 1 1/16, 5 1/4, 8 13/16 & 28A5051. ADDED -4 TO "USE-KNOB" NOTE. NO WT CHG.
K IN B/M REMOVED "AL. ALLOY 46AI-CL4" & "29,000 # P.S.I." ADDED NOTE (K) TO FACE. ADDED "MATERIAL NOTE". NO WT. CHG.
-4 PB2Y-3 29A3367 2
-0 PBY-5A 28A5054 1
-2 PB2Y-3 29F4776 2
-2 PB2Y-3 29A10132 2
-3 PB2Y-2 29A1013 2
-0 PBY-5 28A5054 1
ASSY DASH NO | MODEL | NEXT ASSY | REQ
REQUIREMENTS PER AIRPLANE
29F3698 KNOB
NSC-073 SPRING
28A5051 INSERT
28A5050 PIN
28A5049 KNOB
-9 FINISH CAST
-8 FINISH CAST
-7 FINISH CAST
-6 ROUGH CAST NOTED NOTED
PART NO | STOCK | MATERIAL | SPEC.
PARTS LIST PER ASSY.
REQ. -0 | REQ. -2 | REQ. -3 | REQ. -4 | REQ. -5
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
NAVY NOTED Z-P-GP
HEAT TREAT | FINISH
NAME SUPPORT ASSEM. - MK XXVIII TORP. DIRECTOR
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
D 28A5052

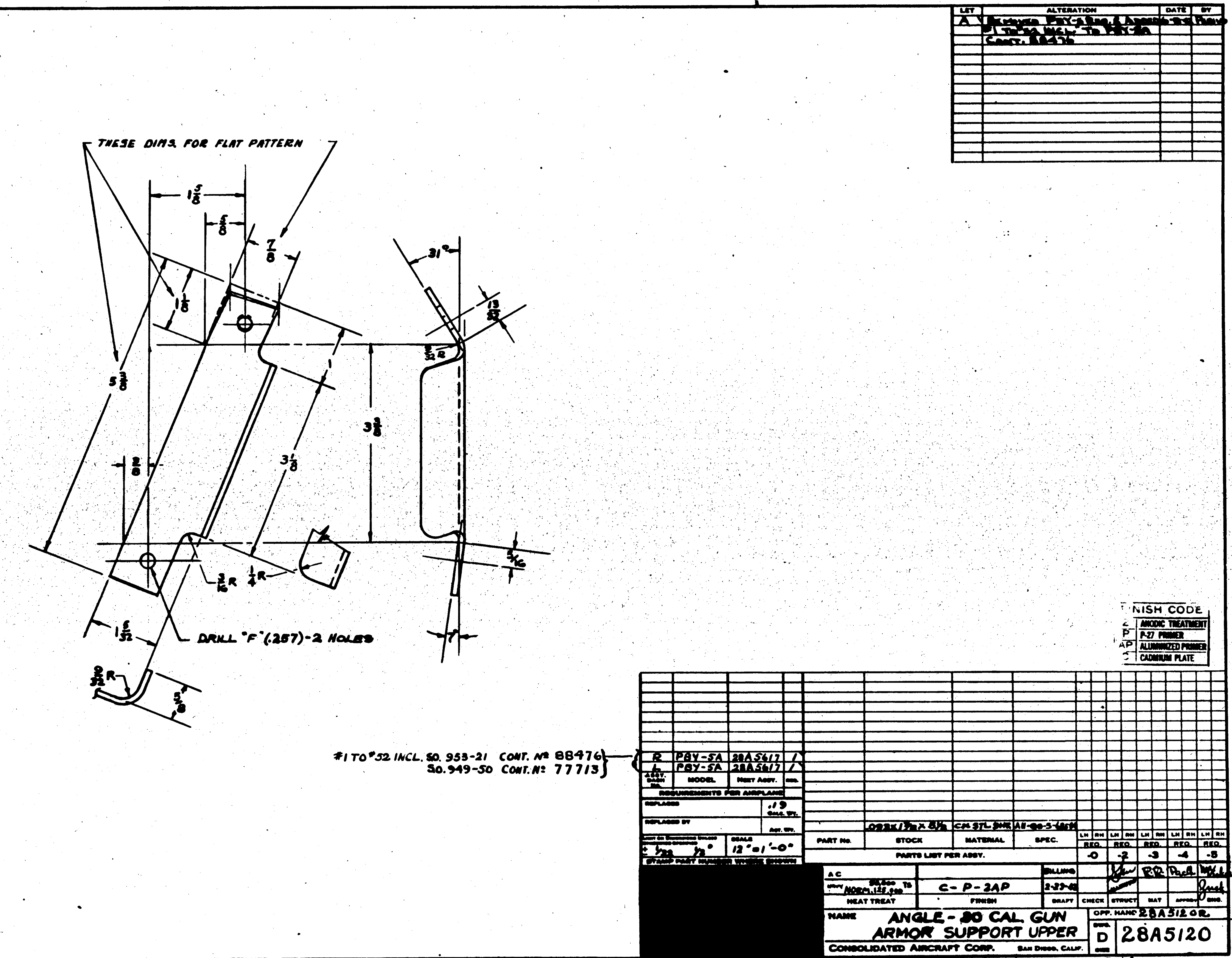

SECTION B-B (FULL SIZE)
SECTION A-A (FULL SIZE)
(2) AN526DD832-7
(2) AN365D832
AN442-D4
101°
LOCATE 3 RIVETS
(1) AN 526 DD832-7
(1) AN 365 D832
B.F. 1.66
DRILL #28 (.140) 8 HOLES
AN515D6-8
AC365D632
AN960D6
B.O. 11254 REF.
STRINGER 28B1000-117 (REF)
STRINGER 28B1000-227 (REF)
STRINGER 28B1000-119 (REF)
28F284
DRILL #18 (.170) DIA. 3 HOLES
2 ON -0 ASSY.
7 7/8 ON -2 ASSY.
2 1/4 APPROX
CARTR. HOLDERS
* B.O. 162676 (GOVERNMENT FURNISHED)
NOTE:
1.- MATERIAL FOR -6 MAY BE:
(A) Y-5-A5T x 8 1/2, OR
(B) K1559 x 8 1/2, AL.AL. EXTR., SPEC. QQ-A-354-T.
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
LET ALTERATION DATE BY
A REPLACED AN442-D4 ON L.H. SIDE
B CHANGED AN442-D4 TO AN515-D8-7 & AN365-D832 OR AN442-D4
C ADDED -2 ASSY. FOR PBY-5A & PBY-5 CON. 91876. 2" DIM IS 7 7/8 ON -2 ASSY.
D REMOVED -7, AN515-D8-7 (4 REQD) & CHGD. AC365D832 (2) WAS (7). L.H. VIEW: ADDED DRILL NOTE FOR 28F284 & SHOWED DRILL HOLE FOR AN515D6-8. SECT. AA: ADDED & SCREW THRU STRINGER & 5/16 DIM. "FOR -6 Z-P-AP" WAS "FINISH -6 & -7 Z-P-AP".
E IN B/M FOR -6 REPLACED "K-1559 x 8 1/2 AL. ALLOY 46AB COND T" WITH "Y-5-A5T x 8 1/2"
F CORRECTED SECT. B-B TO SHOW -6 AS "Y" SECT. INSTEAD OF "K" SECT. PER "E" CHG. NO WT. CHG
G IN B/M FOR -6, REPLACED Y-5-A5T x 8 1/2" WITH "NOTED," & ADDED "NOTED" TO MATERIAL & SPEC. ADDED MATERIAL NOTE FOR -6, NO WT. CHG. 10-19-43 LARSEN
-2 PBY-5A 28F6002 1
-2 PBY-5 28F1002 1
PBY-5 28F1002 1
ASSY DASH No. MODEL NEXT ASSY REQ
REQUIREMENTS PER AIRPLANE
REPLACES
REPLACED BY
SCALE 3"=1'-0" & NOTED
1/32
STAMP PART NUMBER WHERE SHOWN
* B.O. 162676 (GOVT. FURN.)
AC 365 D832
AN 526 DD832-7
AC 365 D632
AN960D6
AN 515 D6-8
28F284
-6 NOTED NOTED NOTED
PART No STOCK MATERIAL SPEC.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
NAVY NONE
HEAT TREAT
Z-P-AP ON -6
FINISH
NAME INSTALL - ARM - VERY'S PISTOL & AMM. BOX - PILOTS COMPT
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP. HAND
DWG SIZE D
28A5055
28A5055 R



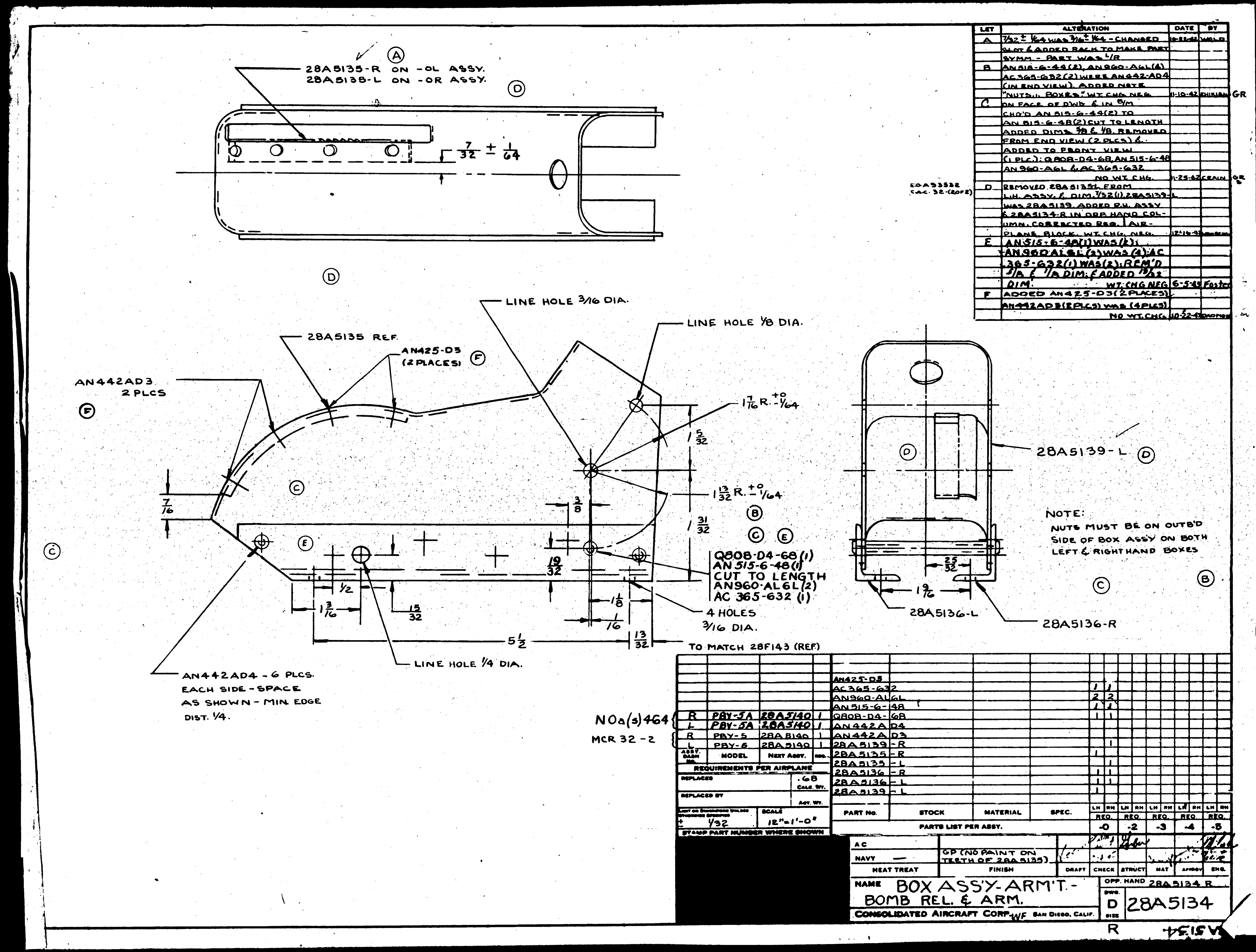
LET
ALTERATION
DATE
BY
A
A
132°
$7\frac{7}{16}$R
34°
$\frac{3}{4}$
$\frac{1}{8}$R
$1\frac{7}{16}$
$7\frac{7}{16}$R (REF.)
SECTION A-A
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
PBY-5B 28A5104 2
PBY-5A 28A5104 2
PBY-5 28A5021-R 1
PBY-5 28A5021-L 1
ASSY DASH No.
MODEL
NEXT ASSY
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
1/32
SCALE
12"=1'-0"
STAMP PART NUMBER WHERE SHOWN
.064 x 6 3/8 x 16 1/4 ALCLAD SHT 47A8 A
PART No
STOCK
MATERIAL
SPEC.
LH RH REQ. -0
LH RH REQ. -2
LH RH REQ. -3
LH RH REQ. -4
LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY SR 53
HEAT TREAT
Z-P
FINISH
DRAFT
CHECK
STRUCT
MAT
APPROV
OPP HAND
NAME RING-ARM-WAIST GUN OUTER ROTAT. SHIELD-AFT
DWG. D SIZE
28A5056
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.



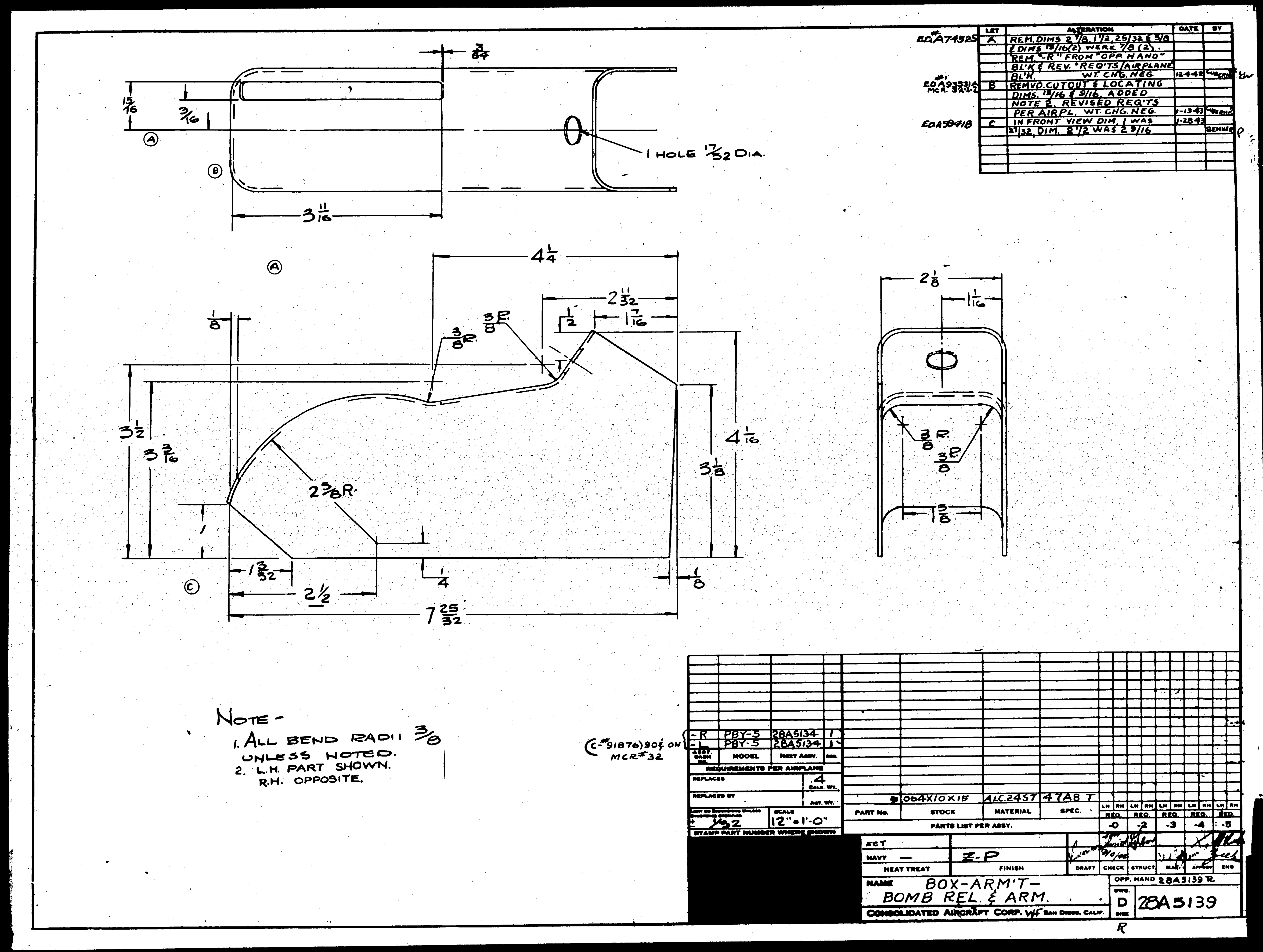
LET | ALTERATION | DATE | BY
A | ON DWG. 2½ DIA. HOLE WAS 2⅜
VIEW AA
12" = 1'-0"
11°
116°
60°
60°
56°
Q2155-12 BEAD
2½ DIA.
½ R
SEC. B-B
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
-R PBY-5A&B 28A5194 1EA
-L PBY-5A&B 28A5194 1EA
PBY-5 28A5021-R 1
PBY-5 28A5021 1
ASSY DASH NO. | MODEL | NEXT ASSY | REQ
REQUIREMENTS PER AIRPLANE
REPLACES
REPLACED BY
CALC WT
ACT WT
SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
R .064 x 17 x 23 ALC. 2430 47AB A
L .064 x 17 x 23 ALC. 2430 47AB A
PART No | STOCK | MATERIAL | SPEC.
PARTS LIST PER ASSY.
NAVY SR S3
HEAT TREAT
Z - P
FINISH
DRAFT CHECK STRUCT MAT APPROV ENG
NAME INNER FITTING-ARM-WAIST GUN
OUTER ROTATING SHIELD - AFT. END
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF
OPP HAND 28A5059-R
D
28A5059



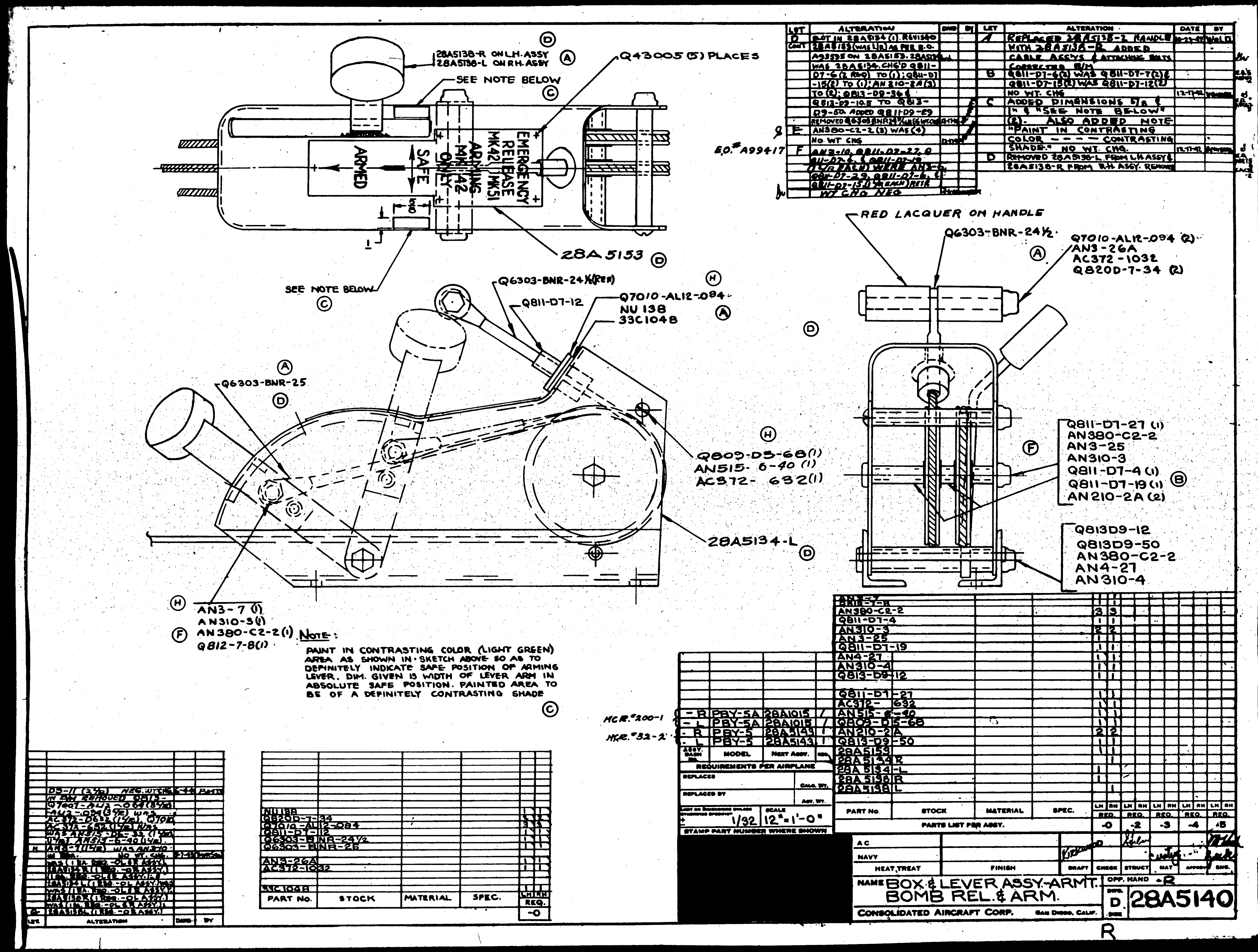
LET
ALTERATION
DATE
BY
THESE DIMS. FOR FLAT PATTERN
31°
DRILL "F" (.257)-2 HOLES
FINISH CODE
ANODIC TREATMENT
P-27 PRIMER
ALUMINIZED PRIMER
CADMIUM PLATE
#1 TO #52 INCL. S.O. 953-21 CONT. Nº 88476
S.O. 949-50 CONT. Nº 77713
PBY-5A
28A5617
MODEL
NEXT ASSY.
REQUIREMENTS PER AIRPLANE
REPLACES
REPLACED BY
SCALE
12" = 1'-0"
PART No.
STOCK
MATERIAL
SPEC.
PARTS LIST PER ASSY.
HEAT TREAT
C-P-2AP
FINISH
DRAFT
CHECK
STRUCT
MAT
NAME
ANGLE - .30 CAL. GUN
ARMOR SUPPORT UPPER
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
OPP. HAND 28A5120R
D
28A5120



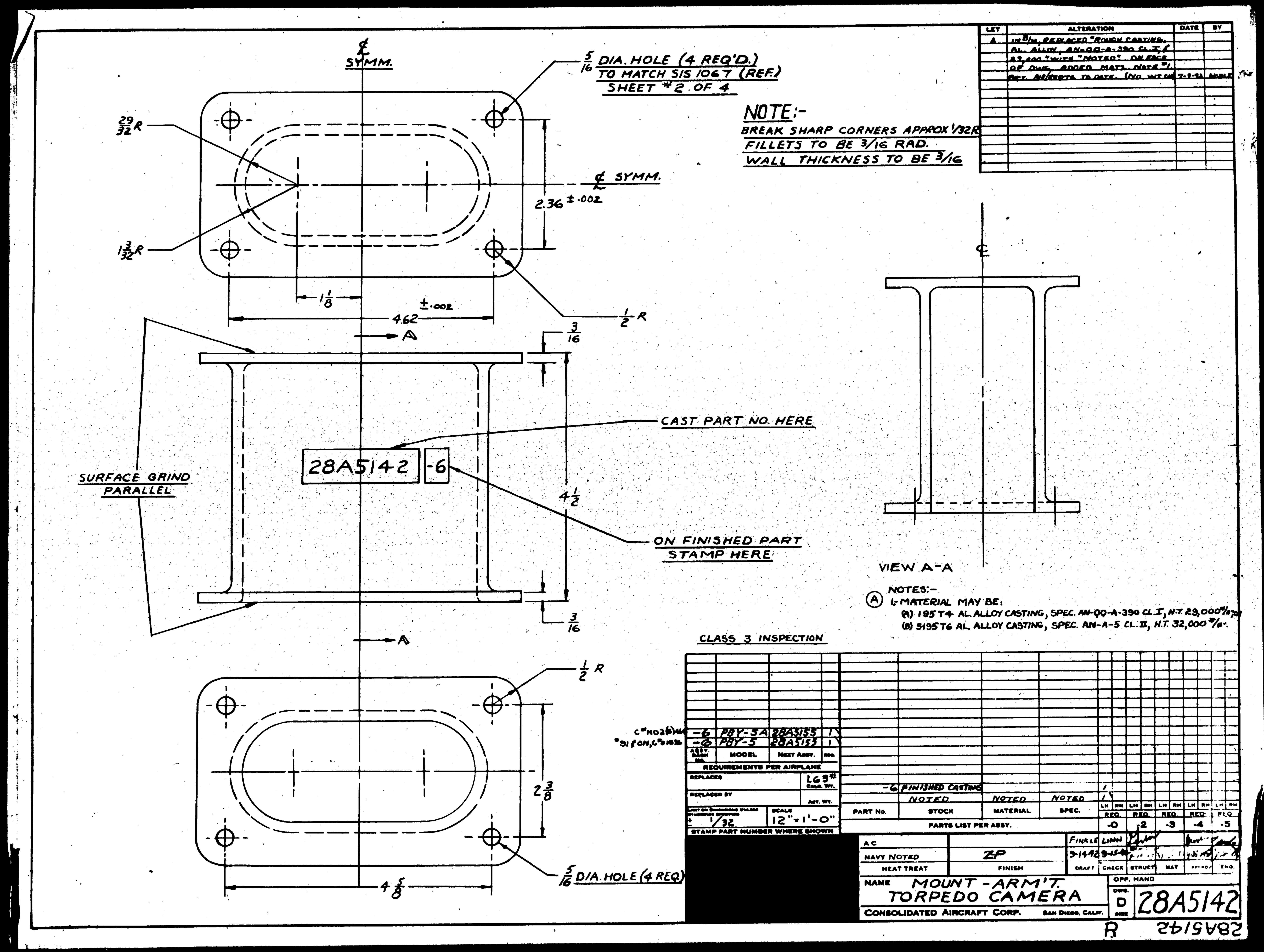
28A5135-R ON -OL ASSY.
28A5135-L ON -OR ASSY.
7/32 ± 1/64
LINE HOLE 3/16 DIA.
LINE HOLE 1/8 DIA.
28A5135 REF.
AN425-D3 (2 PLACES)
AN442AD3 2 PLCS
1 7/16 R. +0 -1/64
1 5/32
1 13/32 R. +0 -1/64
1 31/32
7/16
3/8
19/32
Q808-D4-68 (1)
AN 515-6-48 (1)
CUT TO LENGTH
AN960-AL6L (2)
AC 365-632 (1)
1/2
1 3/16
15/32
1/8
1/16
4 HOLES 3/16 DIA.
5 1/2
13/32
TO MATCH 28F143 (REF.)
LINE HOLE 1/4 DIA.
AN442AD4 - 6 PLCS. EACH SIDE - SPACE AS SHOWN - MIN. EDGE DIST. 1/4.
28A5139-L
NOTE: NUTS MUST BE ON OUTB'D SIDE OF BOX ASSY ON BOTH LEFT & RIGHT HAND BOXES
25/32
1 9/16
28A5136-L
28A5136-R
LET | ALTERATION | DATE | BY
A | 7/32 ± 1/64 WAS 3/16 ± 1/64 - CHANGED SLOT & ADDED BACK TO MAKE PART SYMM. - PART WAS L/R | 10-22-42 | WOLD
B | AN515-6-44(2), AN960-A6L(4) AC365-632(2) WERE AN442-AD4 (IN END VIEW). ADDED NOTE "NUTS... BOXES." WT. CHG. NEG. | 11-10-42 | CHIKIAN | GR
C | ON FACE OF DWG & IN B/M CHG'D AN 515-6-44(2) TO AN 515-6-48(2) CUT TO LENGTH ADDED DIMS. 3/8 & 1/8. REMOVED FROM END VIEW (2 PLCS) & ADDED TO FRONT VIEW (1 PLC.): Q808-D4-68, AN 515-6-48 AN 960-A6L & AC 365-632 NO WT. CHG. | 11-25-42 | CRAIN | GR
D | REMOVED 28A5135L FROM L.H. ASSY. & DIM. 7/32(1). 28A5139-L WAS 28A5139. ADDED R.H. ASSY & 28A5134-R IN OPP. HAND COLUMN. CORRECTED REQ. AIRPLANE BLOCK. WT. CHG. NEG. | 12-16-42
E | AN515-6-48(1) WAS (2); AN960AL6L(2) WAS (4); AC 365-632(1) WAS (2); REM'D 3/8 & 1/8 DIM: & ADDED 19/32 DIM. WT. CHG NEG | 6-5-43 | Foster
F | ADDED AN425-D3 (2 PLACES) AN442AD3 (2 PLCS) WAS (4 PLCS) NO WT. CHG. | 10-22-43
ED A33532 CAC-32-(2 OF 2)
NOa(s)464
MCR 32-2
ASSY. DASH No. | MODEL | NEXT ASSY. | REQ.
R | PBY-5A | 28A5140 | 1
L | PBY-5A | 28A5140 | 1
R | PBY-5 | 28A5140 | 1
L | PBY-5 | 28A5140 | 1
REQUIREMENTS PER AIRPLANE
REPLACES
.68 CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12"=1'-0"
STAMP PART NUMBER WHERE SHOWN
AN425-D3
AC365-632 | 1 | 1
AN960-AL6L | 2 | 2
AN515-6-48 | 1 | 1
Q808-D4-68 | 1 | 1
AN442AD4
AN442AD3
28A5139-R | | 1
28A5135-R | 1
28A5135-L | | 1
28A5136-R | 1 | 1
28A5136-L | 1 | 1
28A5139-L | 1
PART No. | STOCK | MATERIAL | SPEC. | LH | RH REQ. -0 | LH | RH REQ. -2 | LH | RH REQ. -3 | LH | RH REQ. -4 | LH | RH REQ. -5
PARTS LIST PER ASSY.
[redacted]
AC
NAVY —
HEAT TREAT
GP (NO PAINT ON TEETH OF 28A5135)
FINISH
DRAFT | CHECK | STRUCT | MAT | APPROV | ENG.
NAME BOX ASS'Y-ARM'T.- BOMB REL. & ARM.
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP. HAND 28A5134 R
DWG. SIZE D
28A5134
R



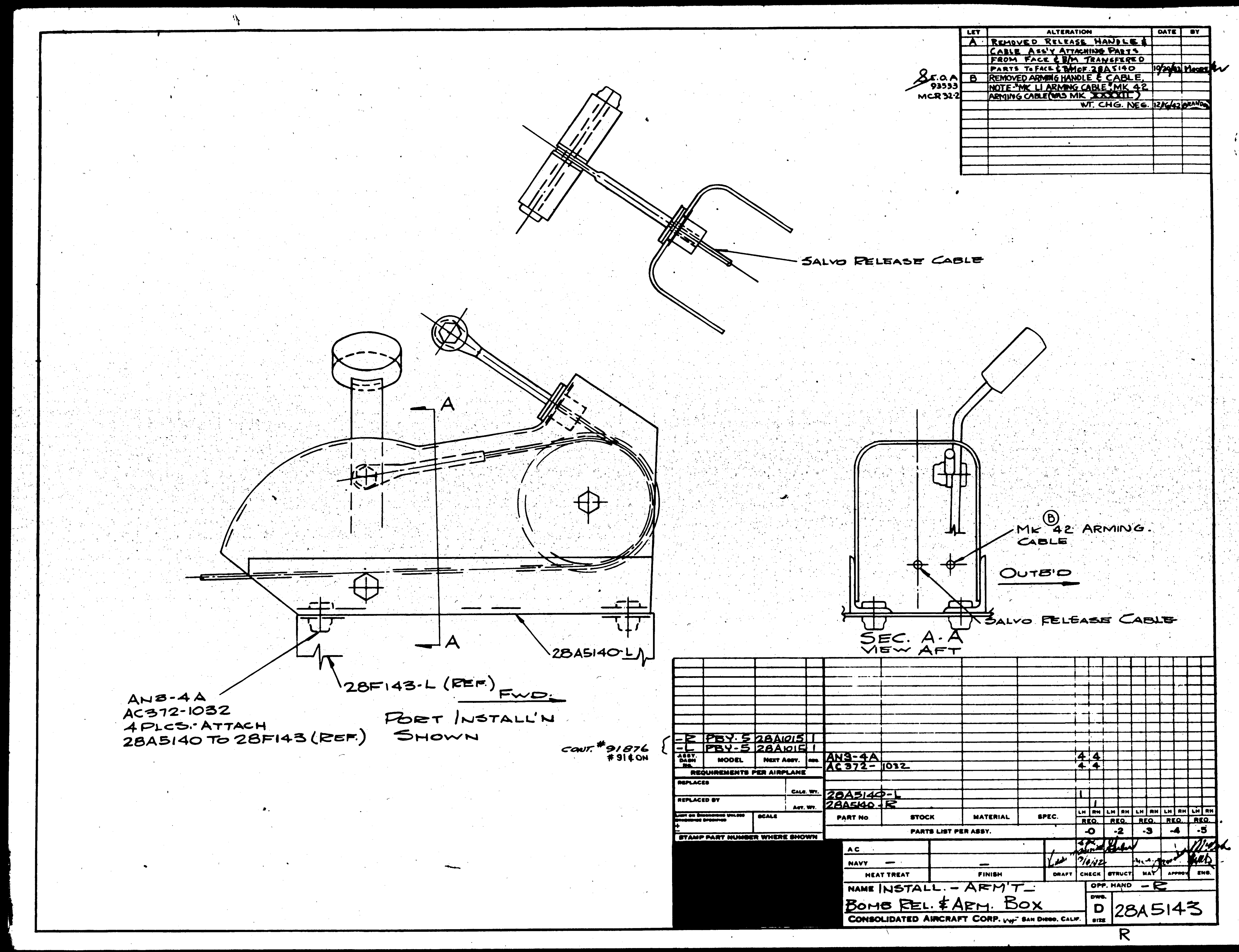
LET
ALTERATION
DATE
BY
#EO A74525
A
REM. DIMS 2 7/8, 1 1/2, 25/32 & 5/8
& DIMS 15/16(2) WERE 7/8 (2).
REM. "-R" FROM "OPP. HAND"
BL'K & REV. "REQ'TS/AIRPLANE
BL'K. WT. CHG. NEG.
12442
#1 EOA93331A MCR. 32-2-2
B
REMVD. CUTOUT & LOCATING
DIMS. 15/16 & 9/16. ADDED
NOTE 2. REVISED REQ'TS
PER AIRPL. WT. CHG. NEG.
1-1343
EOA58418
C
IN FRONT VIEW DIM. 1 WAS
1-2843
2 1/32, DIM. 2 1/2 WAS 2 9/16
3/64
15/16
3/16
Ⓐ
Ⓑ
1 HOLE 17/32 DIA.
3 11/16
Ⓐ
4 1/4
2 11/32
1/8
3/8 R.
3/8 R.
1/2
1 7/16
3 1/2
3 3/16
2 5/8 R.
4 1/16
3 1/8
1
1 3/32
1/4
1/8
2 1/2
7 25/32
Ⓒ
2 1/8
1 1/16
3/8 R.
3/8 R.
1 3/8
NOTE -
1. ALL BEND RADII 3/8 UNLESS NOTED.
2. L.H. PART SHOWN. R.H. OPPOSITE.
(C-#91876) 90¢ ON MCR #32
-R PBY-5 28A5134 1
-L PBY-5 28A5134 1
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.4
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
± 1/32
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.064X10X15
ALC.24ST
47A8 T
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
-0 -2 -3 -4 -5
PARTS LIST PER ASSY.
ACT
NAVY —
Z-P
HEAT TREAT
FINISH
DRAFT
CHECK
STRUCT
MAT.
APPROV
ENG
OPP. HAND 28A5139 R
NAME BOX-ARM'T-
BOMB REL. & ARM.
DWG. SIZE D
28A5139
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R



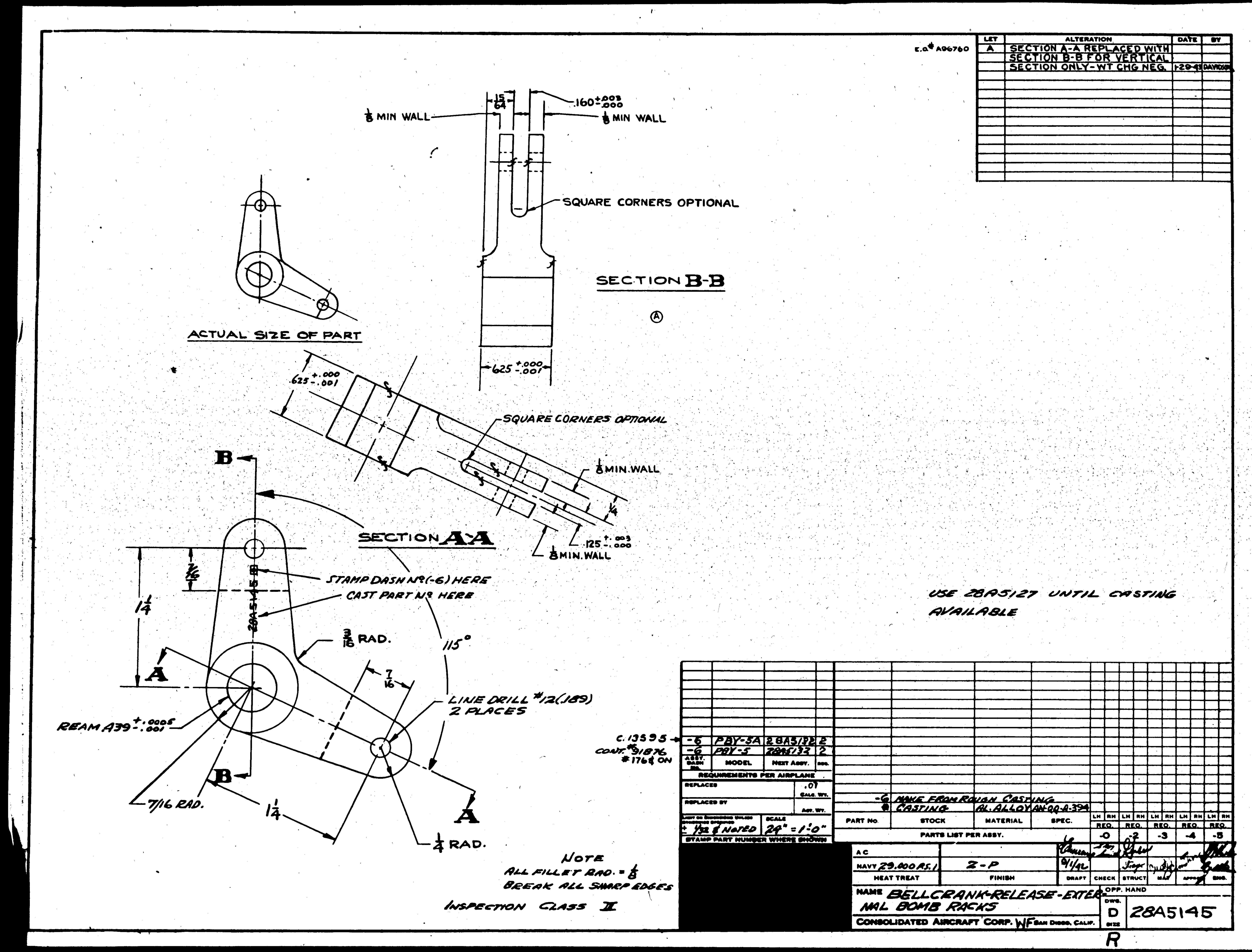
28A5138-R ON LH. ASSY
28A5138-L ON RH. ASSY
SEE NOTE BELOW
Q43005 (5) PLACES
EMERGENCY RELEASE MK42 MK51
ARMING MK 42 ONLY
SAFE
ARMED
28A5153
SEE NOTE BELOW
RED LACQUER ON HANDLE
Q6303-BNR-24½
Q7010-AL12-.094 (2)
AN3-26A
AC372-1032
Q820D-7-34 (2)
Q6303-BNR-24½(REF)
Q811-D7-12
Q7010-AL12-.094
NU 138
33C1048
Q6303-BNR-25
Q809-D5-68(1)
AN515-6-40 (1)
AC372-632(1)
28A5134-L
Q811-D7-27 (1)
AN380-C2-2
AN3-25
AN310-3
Q811-D7-4 (1)
Q811-D7-19 (1)
AN210-2A (2)
Q813D9-12
Q813D9-50
AN380-C2-2
AN4-27
AN310-4
AN3-7 (1)
AN310-3(1)
AN380-C2-2(1)
Q812-7-8(1)
NOTE:
PAINT IN CONTRASTING COLOR (LIGHT GREEN) AREA AS SHOWN IN SKETCH ABOVE SO AS TO DEFINITELY INDICATE SAFE POSITION OF ARMING LEVER. DIM. GIVEN IS WIDTH OF LEVER ARM IN ABSOLUTE SAFE POSITION. PAINTED AREA TO BE OF A DEFINITELY CONTRASTING SHADE
E.O.# A99417
REPLACED 28A5138-2 HANDLE WITH 28A5138-R ADDED CABLE ASSY'S & ATTACHING BOLTS CORRECTED B/M
Q811-D7-6(2) WAS Q811-D7-7(2) & Q811-D7-15(2) WAS Q811-D7-12(2) NO WT. CHG
ADDED DIMENSIONS 5/8 & 1" & "SEE NOTE BELOW" (2). ALSO ADDED NOTE "PAINT IN CONTRASTING COLOR — CONTRASTING SHADE." NO WT. CHG.
REMOVED 28A5138-L FROM LH ASSY & 28A5138-R FROM R.H. ASSY.
AN380-C2-2 (3) WAS (4)
NO WT CHG
-R PBY-5A 28A1015
-L PBY-5A 28A1015
-R PBY-5 28A5143
-L PBY-5 28A5143
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASSY.
1/32 12"=1'-0"
STAMP PART NUMBER WHERE SHOWN
HEAT TREAT
FINISH
NAME BOX & LEVER ASSY-ARMT. BOMB REL. & ARM.
OPP. HAND -R
D 28A5140
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R



LET
ALTERATION
DATE
BY
A
REPLACED "ROUGH CASTING,
AL. ALLOY, AN-QQ-A-390
℄ SYMM.
5/16 DIA. HOLE (4 REQ'D.)
TO MATCH SIS 1067 (REF.)
SHEET #2 OF 4
NOTE:-
BREAK SHARP CORNERS APPROX 1/32R
FILLETS TO BE 3/16 RAD.
WALL THICKNESS TO BE 3/16
29/32 R
1 3/32 R
℄ SYMM.
2.36 ±.002
1 1/8
±.002
4.62
1/2 R
A
3/16
CAST PART NO. HERE
SURFACE GRIND
PARALLEL
28A5142
-6
4 1/2
ON FINISHED PART
STAMP HERE
3/16
A
℄
VIEW A-A
NOTES:-
A 1- MATERIAL MAY BE:
(A) 195 T4 AL. ALLOY CASTING, SPEC. AN-QQ-A-390 CL. I, H.T. 29,000#/□
(B) S195 T6 AL. ALLOY CASTING, SPEC. AN-A-5 CL. II, H.T. 32,000#/□.
CLASS 3 INSPECTION
1/2 R
2 3/8
5/16 DIA. HOLE (4 REQ)
4 5/8
-6 PBY-5A 28A5155 1
-6 PBY-5 28A5155 1
ASSY. DASH
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
1.63#
CALC. WT.
REPLACED BY
ACT. WT.
± 1/32
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
-6 FINISHED CASTING
NOTED
NOTED
NOTED
PART No.
STOCK
MATERIAL
SPEC.
LH RH
REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
A C
NAVY NOTED
ZP
HEAT TREAT
FINISH
FINKLE
LINN
DRAFT
CHECK
STRUCT
MAT
ENG.
OPP. HAND
NAME MOUNT - ARM'T.
TORPEDO CAMERA
DWG. SIZE D
28A5142
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
28A5142



LET | ALTERATION | DATE | BY
A | REMOVED RELEASE HANDLE & CABLE ASS'Y ATTACHING PARTS FROM FACE & B/M TRANSFERED PARTS TO FACE & B/M OF 28A5140 | 10/29/42
B | REMOVED ARMING HANDLE & CABLE, NOTE "MK LI ARMING CABLE" MK 42 ARMING CABLE (WAS MK XXXIII.) WT. CHG. NEG. | 12/16/42
E.O.A 93533 MCR 32-2
SALVO RELEASE CABLE
A
A
28A5140-L
28F143-L (REF.)
AN3-4A
AC372-1032
4 PLCS.- ATTACH
28A5140 TO 28F143 (REF.)
FWD.
PORT INSTALL'N
SHOWN
MK 42 ARMING CABLE
OUTB'D
SALVO RELEASE CABLE
SEC. A-A
VIEW AFT
CONT. #91876
#91¢ON
-R PBY-5 28A1015 1
-L PBY-5 28A1015 1
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
STAMP PART NUMBER WHERE SHOWN
AN3-4A 4 4
AC372-1032 4 4
28A5140-L 1
28A5140-R 1
PART NO | STOCK | MATERIAL | SPEC. | LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY —
HEAT TREAT
FINISH
DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
7/10/42
OPP. HAND -R
NAME INSTALL. - ARM'T. - BOMB REL. & ARM. BOX
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
DWG. D SIZE 28A5143
R

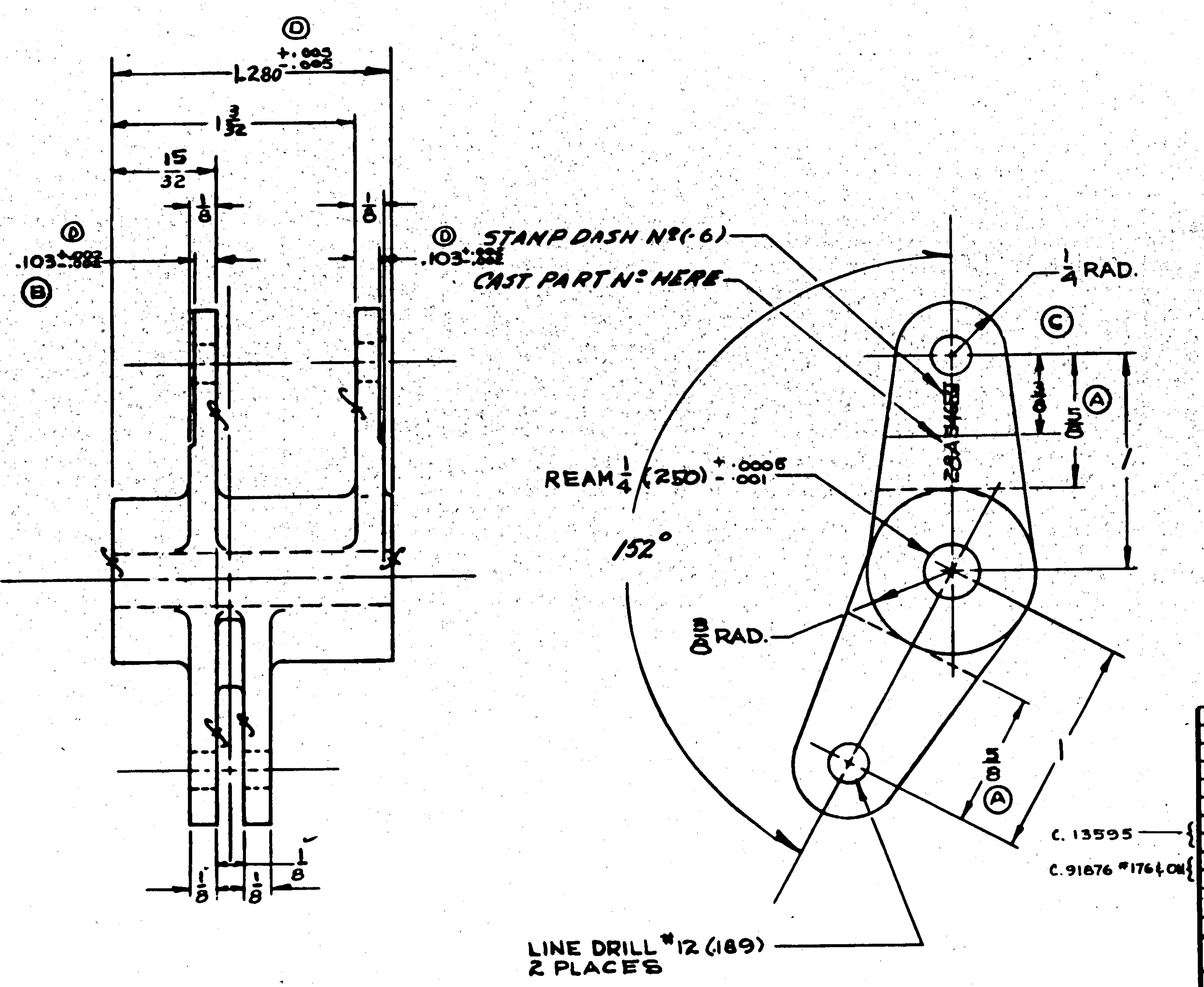


E.O.# A96760
LET
ALTERATION
DATE
BY
A
SECTION A-A REPLACED WITH SECTION B-B FOR VERTICAL SECTION ONLY-WT CHG NEG.
1-29-43
DAVIDSON
1/8 MIN WALL
15/64
.160 +.003 -.000
1/8 MIN WALL
SQUARE CORNERS OPTIONAL
SECTION B-B
Ⓐ
ACTUAL SIZE OF PART
.625 +.000 -.001
SQUARE CORNERS OPTIONAL
1/8 MIN. WALL
1/4
.125 +.003 -.000
1/8 MIN. WALL
SECTION A-A
B
A
B
A
7/16
1 1/4
STAMP DASH Nº(-6) HERE
CAST PART Nº HERE
28A5145
3/16 RAD.
115°
7/16
LINE DRILL #12(.189) 2 PLACES
REAM .439 +.0005 -.001
7/16 RAD.
1 1/4
1/4 RAD.
NOTE
ALL FILLET RAD. = 1/8
BREAK ALL SHARP EDGES
INSPECTION CLASS II
USE 28A5127 UNTIL CASTING AVAILABLE
C.13595
CONT.#91876 #176 & ON
-6
PBY-5A
28A5132
2
-6
PBY-5
28A5132
2
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.07
CALC. WT.
REPLACED BY
ACT. WT.
± 1/32 & NOTED
SCALE
24" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
-6 MAKE FROM ROUGH CASTING
CASTING
AL. ALLOY
AN-QQ-A-394
PART No.
STOCK
MATERIAL
SPEC.
LH RH
REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
AC
NAVY 29.000 RS. 1
Z-P
HEAT TREAT
FINISH
9/1/42
DRAFT
CHECK
STRUCT
ENG.
NAME BELLCRANK-RELEASE-EXTERNAL BOMB RACKS
OPP. HAND
DWG.
D
SIZE
28A5145
CONSOLIDATED AIRCRAFT CORP. WF SAN DIEGO, CALIF.
R

E.O. A98529
E.O. A99191

LET	ALTERATION	DATE	BY
A	ADDED 5/8 DIM. (2 PLACES) WT. CHG. NEG.	2-12-43	
B	.103 +.002 -.002 WAS 1/8 (2 PLACES) ADDED		
	NOTE "SPOTFACE 3/4 DIA (2 PLACES)"		
	WT. CHG. NEG.	2-12-43	
C	ADDED DIM 3/8 REMOVED		
	NOTE "SPOTFACE 3/4" DIA.		
	(2 PLACES) NO WT CHG	4-23-43	FOSTER
D	ON FACE 1.280 +.002 -.005 WAS 1.280 +.005 -.005.		
	.103 +.002 -.002 WAS .103 +.001 -.001. NEG. WT. CHG.	6-30-43	

ACTUAL SIZE OF PART



(B)

USE 28A5130 UNTIL CASTING AVAILABLE

NOTES

ALL FILLET RADII = 1/8
BREAK ALL SHARP EDGES
INSPECTION CLASS III

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
-6R	PBY-5A	28A5132	1
-6L	PBY-5A	28A5132	1
-6R	PBY-5	28A5132	1
-6L	PBY-5	28A5132	1

REQUIREMENTS PER AIRPLANE

REPLACES	.08 CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 & NOTED	SCALE 24" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	-0 REQ. LH	RH	-2 REQ. LH	RH	-3 REQ. LH	RH	-4 REQ. LH	RH	-5 REQ. LH	RH
-6R	MAKE FROM ROUGH CASTING												
-6L	MAKE FROM ROUGH CASTING												
*	CASTING	AL. ALLOY AN-QQ-A-394											

PARTS LIST PER ASSY.

[redacted]

AC							
NAVY 29000 #/□"	E-P	9/1/42					
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.

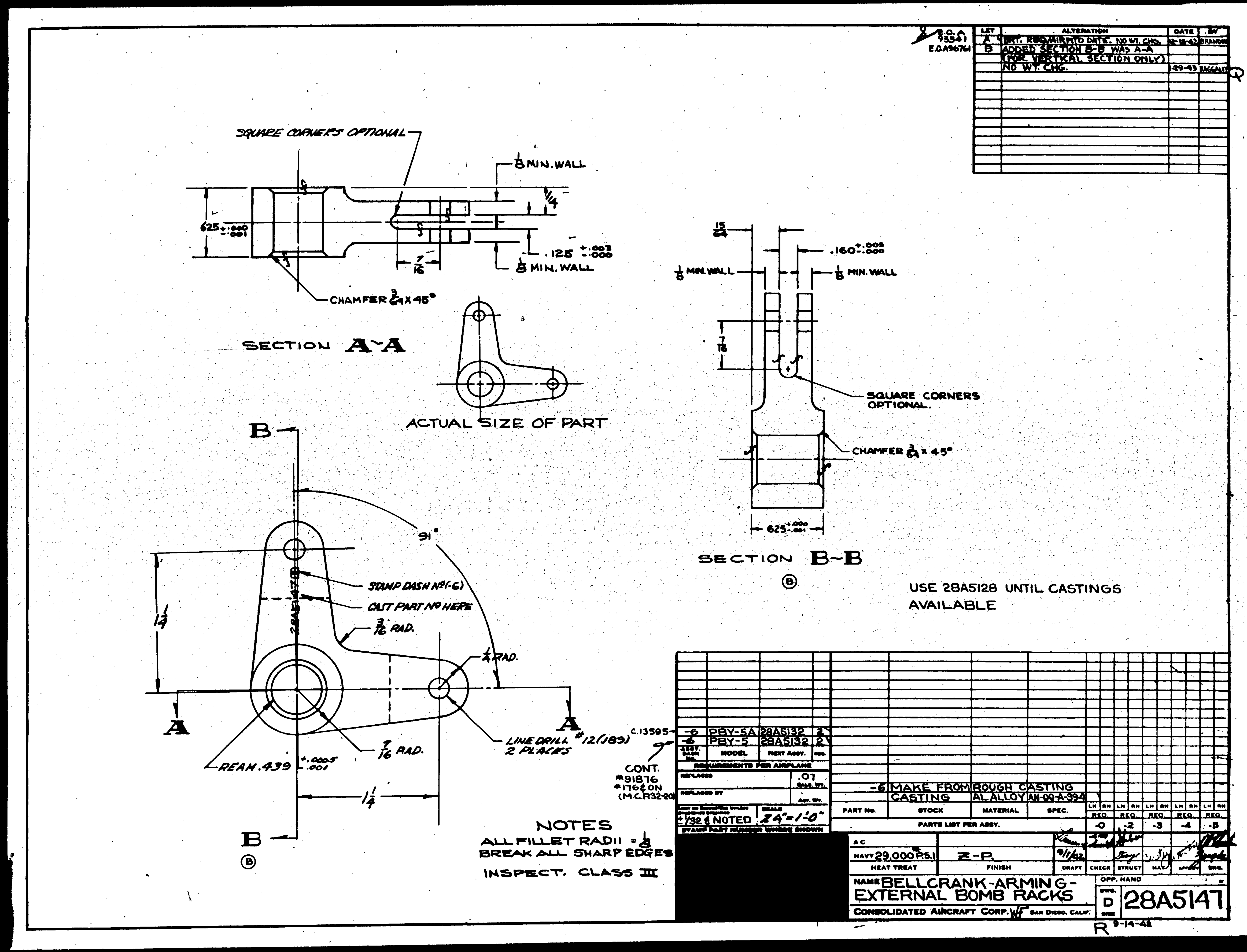
NAME BELLCRANK-DOUBLE-EXTERNAL BOMB RACKS

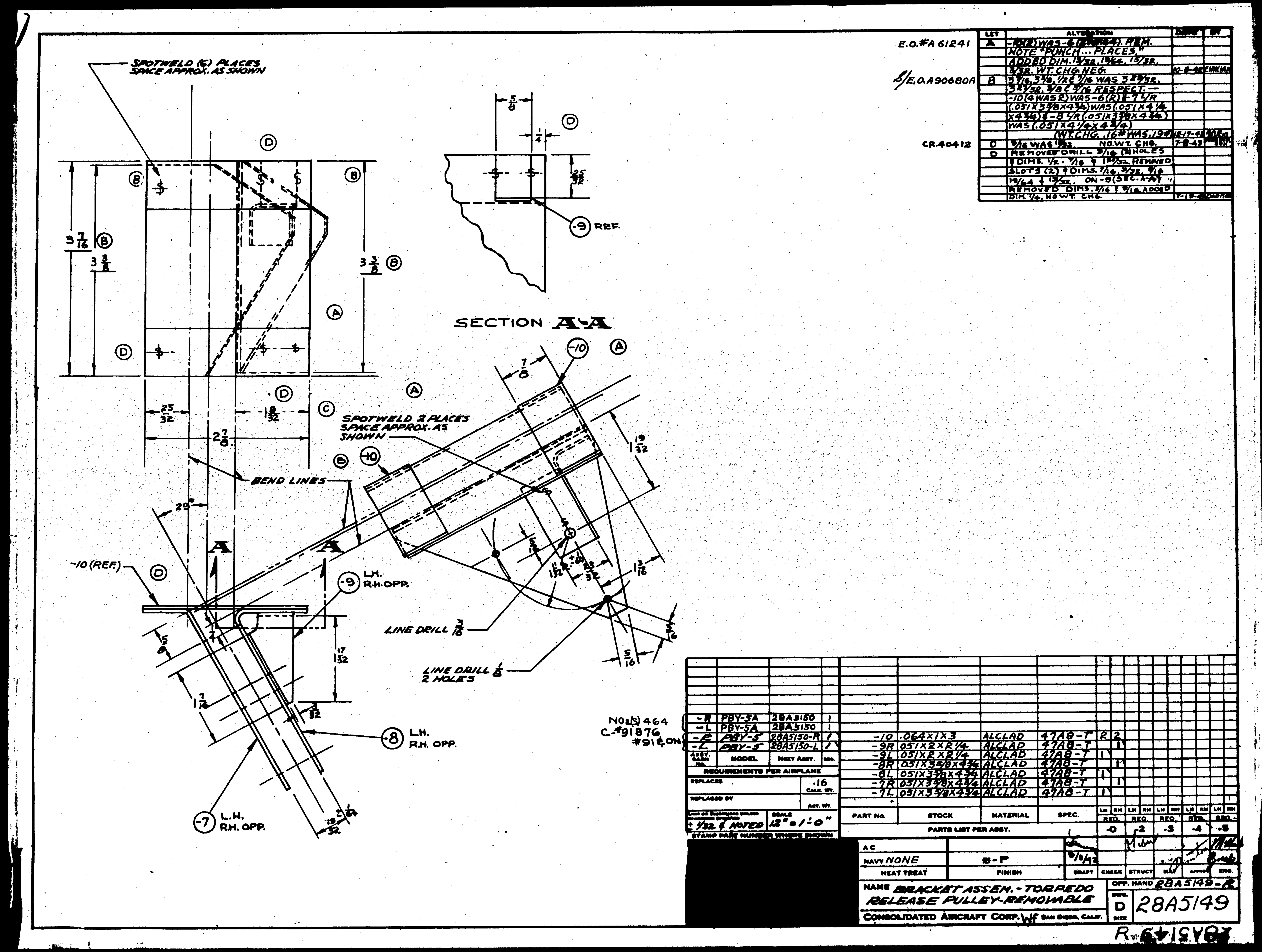
OPP. HAND 28A5146-E

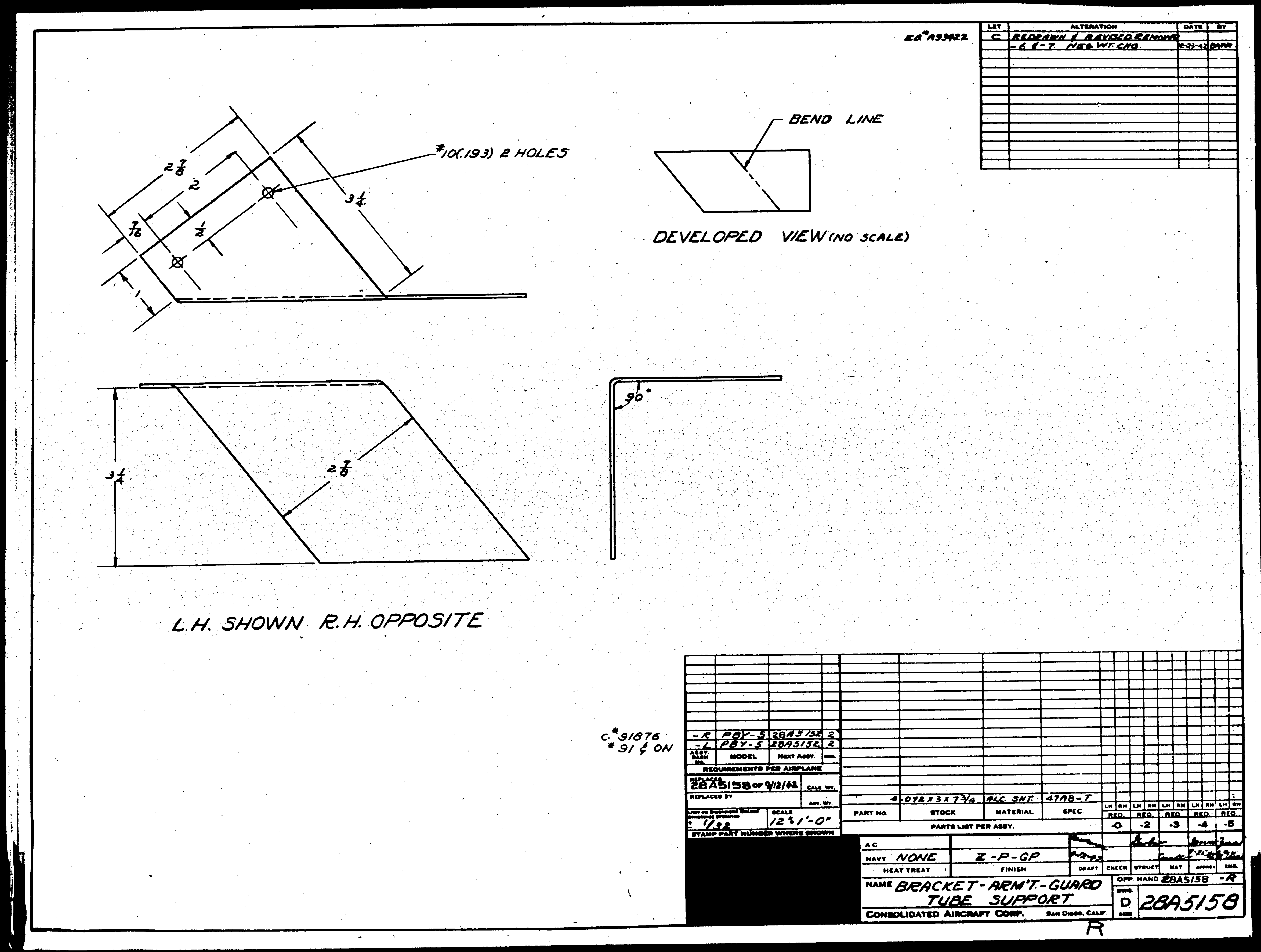
DWG. SIZE D 28A5146

CONSOLIDATED AIRCRAFT CORP. WF SAN DIEGO, CALIF.

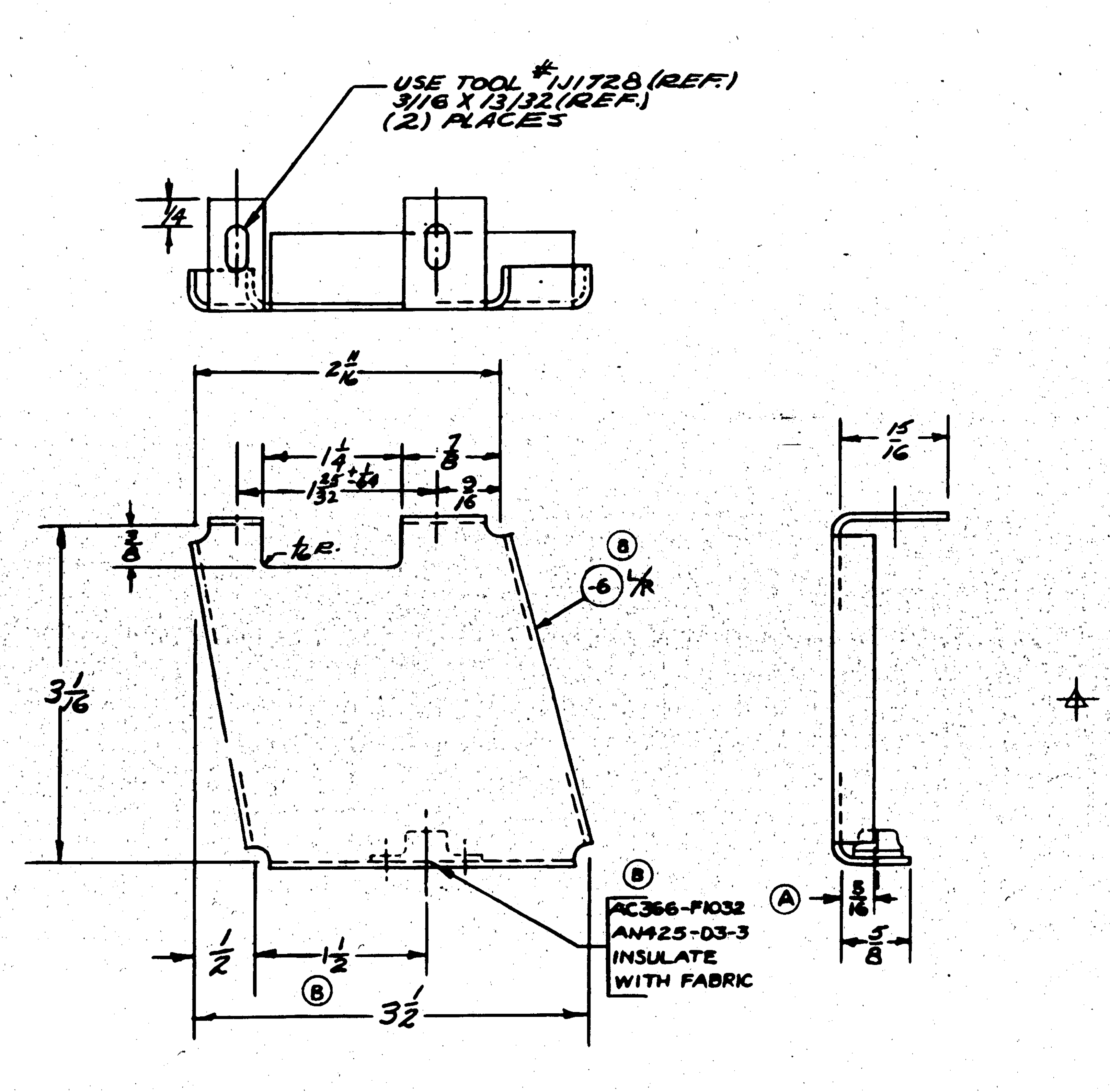
R 9-14-42.


E.O.A 93541
E.O.A96761
LET
ALTERATION
DATE
BY
A
ADDED SECTION B-B WAS A-A
(FOR VERTICAL SECTION ONLY)
NO WT. CHG.
B
1-29-43
SQUARE CORNERS OPTIONAL
1/8 MIN. WALL
1/4
.625 +.000 -.001
.125 +.003 -.000
7/16
CHAMFER 3/64 X 45°
SECTION A-A
ACTUAL SIZE OF PART
15/64
.160 +.003 -.000
1/8 MIN. WALL
7/16
SQUARE CORNERS OPTIONAL.
CHAMFER 3/64 X 45°
.625 +.000 -.001
SECTION B-B
B
USE 28A5128 UNTIL CASTINGS AVAILABLE
B
91°
1 1/4
STAMP DASH NO (-6)
CAST PART NO HERE
3/16 RAD.
1/4 RAD.
28A5147
A
A
LINE DRILL #12 (.189) 2 PLACES
9/16 RAD.
REAM .439 +.0005 -.001
1 1/4
B
B
NOTES
ALL FILLET RADII = 1/8
BREAK ALL SHARP EDGES
INSPECT. CLASS III
C.13595
-6 PBY-5A 28A5132 2
-6 PBY-5 28A5132 2
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
CONT. #91876 #176 & ON (M.C.R32-20)
REPLACES
.07 CALC. WT.
REPLACED BY
ACT. WT.
±1/32 & NOTED
SCALE 24"=1'-0"
STAMP PART NUMBER WHERE SHOWN
-6 MAKE FROM ROUGH CASTING
CASTING AL. ALLOY AN-QQ-A-394
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
AC
NAVY 29,000 P.S.I.
HEAT TREAT
Z-P.
FINISH
9/1/42
DRAFT CHECK STRUCT MAT APPROV ENG.
NAME BELLCRANK-ARMING-EXTERNAL BOMB RACKS
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP. HAND
DWG. SIZE D
28A5147
R 9-14-42

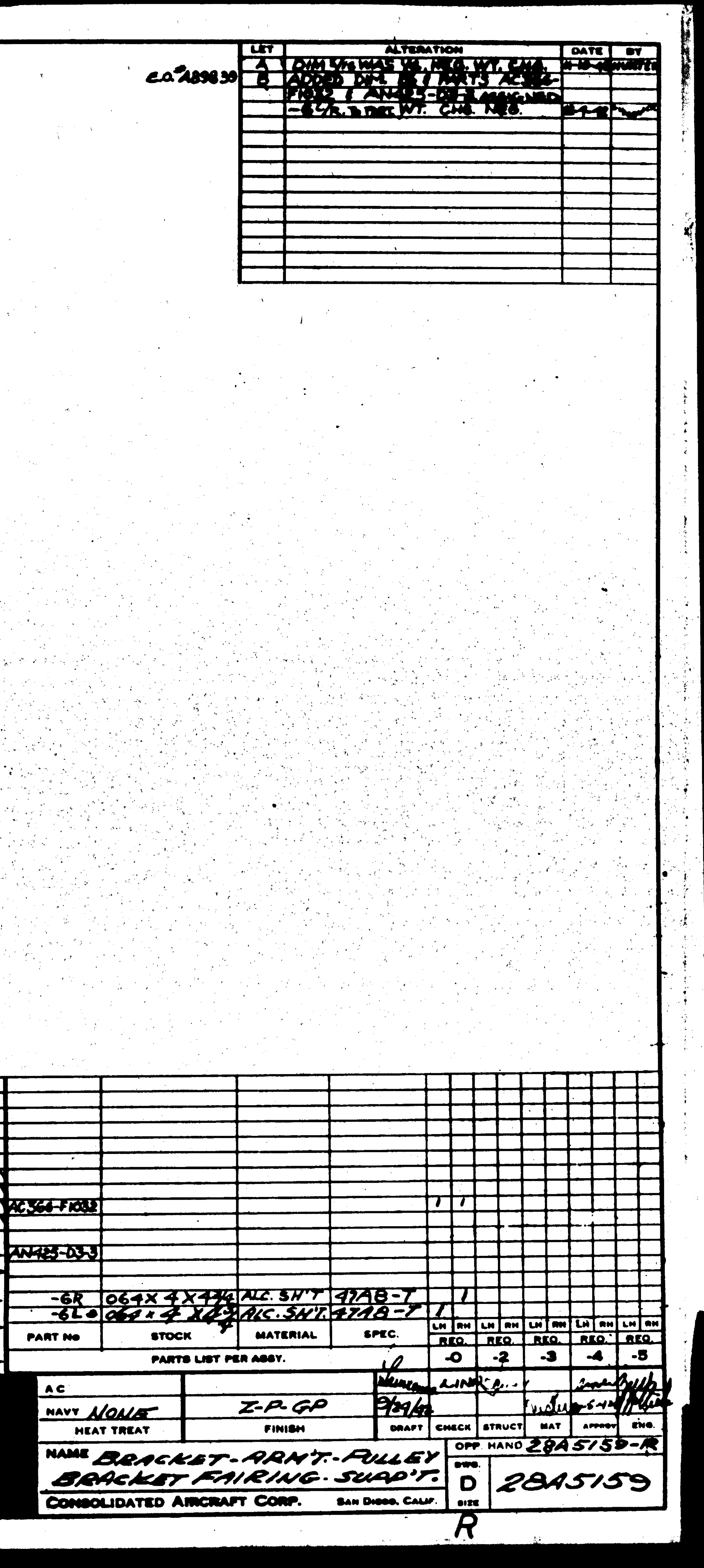

SPOTWELD (6) PLACES SPACE APPROX. AS SHOWN
SECTION A-A
-9 REF.
SPOTWELD 2 PLACES SPACE APPROX. AS SHOWN
BEND LINES
-10 (REF.)
-9 L.H. R.H. OPP.
-8 L.H. R.H. OPP.
-7 L.H. R.H. OPP.
-10
LINE DRILL 3/16
LINE DRILL 1/8 2 HOLES
29°
E.O.#A 61241
E.O. A90680A
CR.40412
LET | ALTERATION
A | WAS-6. REM. NOTE "PUNCH... PLACES." ADDED DIM. 13/32, 19/64, 13/32, 3/32. WT. CHG. NEG. | 10-8-42
B | 3 7/16, 3 3/8, 1/2 & 7/16 WAS 3 29/32, 3 27/32, 3/8 & 3/16 RESPECT. — -10 (4 WAS 2) WAS -6 (2) & -7 L/R (.051X3 5/8X4 3/4) WAS (.051X4 1/4 X4 3/4) & -8 L/R (.051X3 5/8X4 3/4) WAS (.051X4 1/4X4 3/4) (WT. CHG. .16# WAS .19#) | 12-19-42
C | 9/16 WAS 19/32. NO. WT. CHG. | 7-8-43
D | REMOVED DRILL 3/16 (2) HOLES & DIMS. 1/2, 7/16 & 15/32. REMOVED SLOTS (2) & DIMS. 7/16, 3/32, 9/16, 19/64 & 13/32. ON -9 (SEC. A-A). REMOVED DIMS. 3/16 & 9/16 ADDED DIM. 1/4, NO WT. CHG. | 7-19-43
NO2(S) 464
C-#91876
#91 & ON
-R | PBY-5A | 28A5150 | 1
-L | PBY-5A | 28A5150 | 1
-R | PBY-5 | 28A5150-R | 1
-L | PBY-5 | 28A5150-L | 1
ASSY. DASH No. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.16 CALC. WT.
REPLACED BY
ACT. WT.
± 1/32 & NOTED
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
-10 | .064X1X3 | ALCLAD | 47A8-T | 2 | 2
-9R | 051X2X2 1/4 | ALCLAD | 47A8-T | 1
-9L | 051X2X2 1/4 | ALCLAD | 47A8-T | 1
-8R | 051X3 5/8X4 3/4 | ALCLAD | 47A8-T | 1
-8L | 051X3 5/8X4 3/4 | ALCLAD | 47A8-T | 1
-7R | 051X3 5/8X4 3/4 | ALCLAD | 47A8-T | 1
-7L | 051X3 5/8X4 3/4 | ALCLAD | 47A8-T | 1
PART No. | STOCK | MATERIAL | SPEC. | LH | RH | REQ. -0 | -2 | -3 | -4 | -5
PARTS LIST PER ASSY.
AC
NAVY NONE
HEAT TREAT
S-P
FINISH
DRAFT | CHECK | STRUCT | MAT | APPROV | ENG.
NAME BRACKET ASSEM. - TORPEDO RELEASE PULLEY-REMOVABLE
OPP. HAND 28A5149-R
D
SIZE
DWG. 28A5149
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



E.O. A93422
LET | ALTERATION | DATE | BY
C | REDRAWN & REVISED REMOVED -6 & -7. NEG. WT. CHG. | 12-23-42
BEND LINE
#10(.193) 2 HOLES
2 7/8
2
7/16
1/2
1
3 1/4
DEVELOPED VIEW (NO SCALE)
3 1/4
2 7/8
90°
L.H. SHOWN R.H. OPPOSITE
C.*91876
*91 & ON
-R PBY-5 28A5152 2
-L PBY-5 28A5152 2
ASSY. DASH No.
MODEL
NEXT ASSY.
REQUIREMENTS PER AIRPLANE
REPLACES 28A5158 OF 9/12/42
CALC. WT.
REPLACED BY
ACT. WT.
± 1/32
SCALE 12"=1'-0"
STAMP PART NUMBER WHERE SHOWN
-8 .072 x 3 x 7 3/4 ALC. SHT. 47A8-T
PART No.
STOCK
MATERIAL
SPEC.
PARTS LIST PER ASSY.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
-0 -2 -3 -4 -5
AC
NAVY NONE
HEAT TREAT
Z-P-GP
FINISH
DRAFT
CHECK
STRUCT
MAT
APPROV
ENG.
OPP. HAND 28A5158 -R
NAME BRACKET-ARM'T.-GUARD TUBE SUPPORT
DWG. SIZE D
28A5158
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R



ALL BEND & RELIEF RAD = 1/8



E.O. #A89839

LET	ALTERATION	DATE	BY
A	DIM 5/16 WAS 1/2, NEG. WT. CHG.	[illegible]	[illegible]
B	ADDED DIM. (B) & PARTS AC366-		
	F1032 & AN425-D3-3 ASSIGNED		
	-6 L/R, 3 DET. WT. CHG. NEG.	[illegible]	[illegible]

C-13595
32-12
(C#91876) #176 & ON

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
-R	PBY-5A	28A5150	1
-L	PBY-5A	28A5150	1
-R	PBY-5	28A5150	1
-L	PBY-5	28A5150	1

REQUIREMENTS PER AIRPLANE

REPLACES	.09 CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	-0 LH	-0 RH	-2 LH	-2 RH	-3 LH	-3 RH	-4 LH	-4 RH	-5 LH	-5 RH
AC366-F1032				1	1								
AN425-D3-3													
-6R	064 X 4 X 4 3/4	ALC. SH'T	47AB-T		1								
-6L	064 X 4 X 4 3/4	ALC. SH'T	47AB-T	1									

PARTS LIST PER ASSY.

[redacted]

AC		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.
NAVY NONE	Z-P-GP	[illegible] 9/29/42	LINK [illegible]		[illegible]	[illegible]	[illegible]
HEAT TREAT	FINISH						

NAME BRACKET - ARM'T. - PULLEY BRACKET FAIRING - SUPP'T.

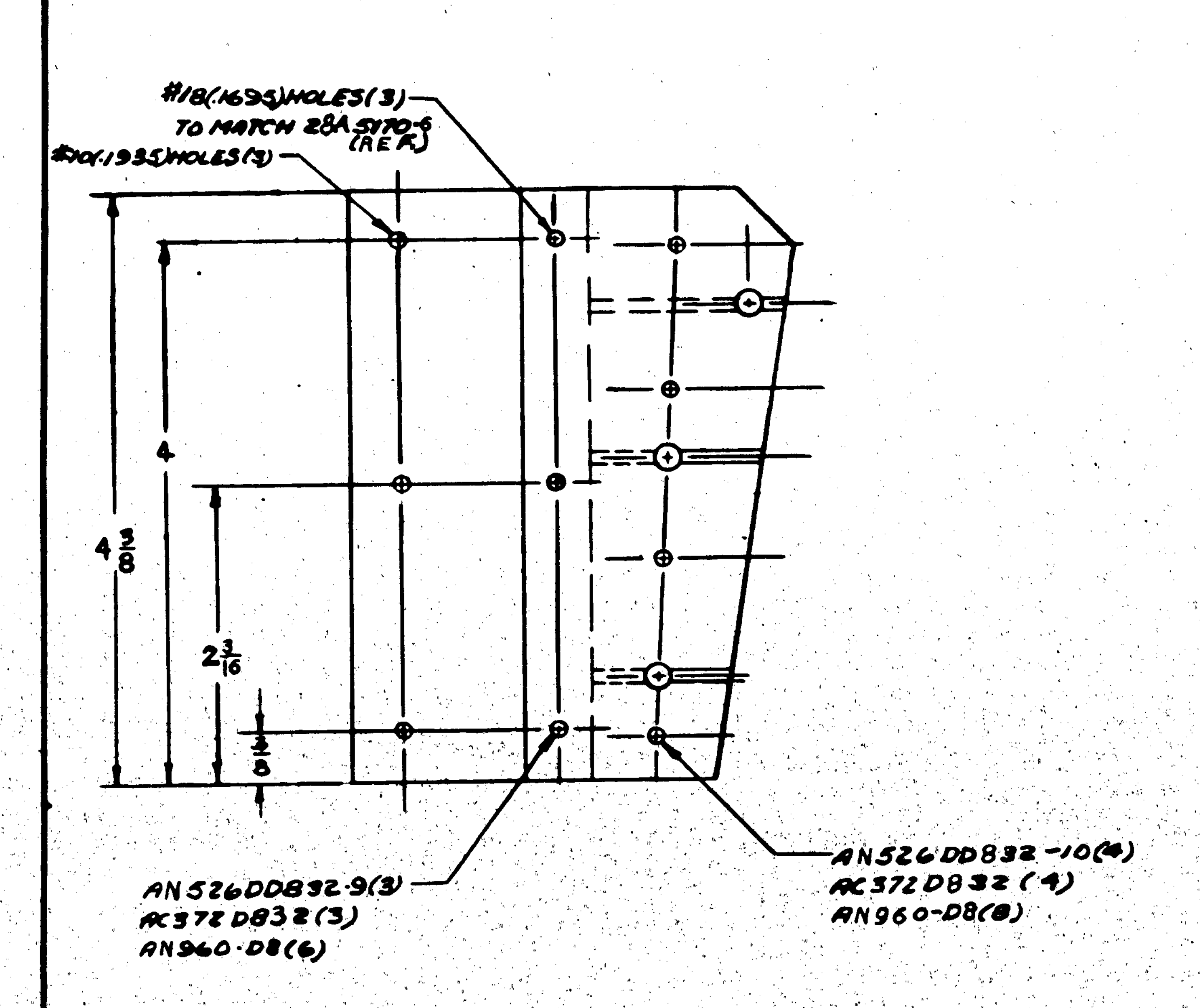
OPP. HAND 28A5159-R

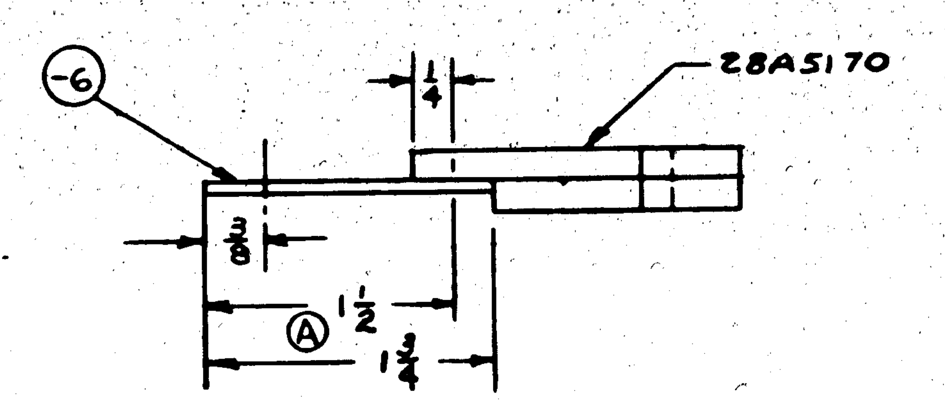
DWG. SIZE D — 28A5159

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

LET	ALTERATION	DATE	BY
A	DIM. 1½ WAS 1⅞ & DIM. 1¾ WAS 2⅛. WT. CHG NEG.	3-31-43	HUTCHINSON





	ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
M.C.R. 200-1	-R	PBY-5A	28A5152	1
	-L	PBY-5A	28A5152	1
M.C.R. 32-17	-R	PBY-5	28A5152	1
	-L	PBY-5	28A5152	1

REQUIREMENTS PER AIRPLANE

REPLACES	.23 CALC. WT.	
REPLACED BY	ACT. WT.	
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	SCALE 12"=1'0"	

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 REQ. LH	-0 REQ. RH	-2 REQ. LH	-2 REQ. RH	-3 REQ. LH	-3 REQ. RH	-4 REQ. LH	-4 REQ. RH	-5 REQ. LH	-5 REQ. RH
AN526DD832-9				3	3								
AN526DD832-10				4	4								
AC372D832				7	7								
AN960-D8				14	14								
28A5170				1	1								
-6	.091X1⅛X4½	ALCLAD	24AR-T	1	1								

PARTS LIST PER ASSY.

		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
AC		WALLACE	LINN	[signature]		[signature]	[signature]
NAVY —	Z-P-GP	10-28-42	11-3-42	11		11-7-42	
HEAT TREAT	FINISH						

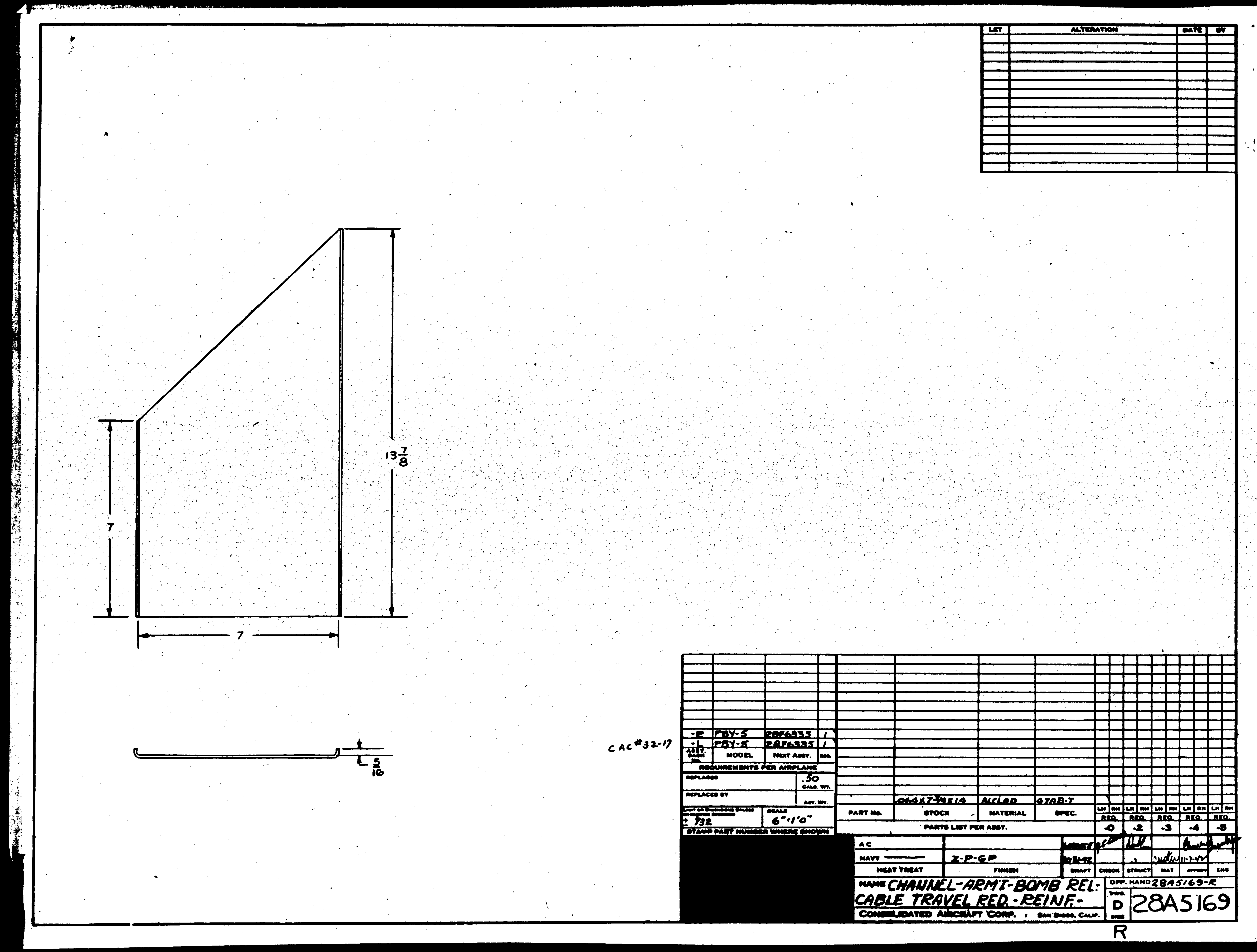
NAME FAIRLEAD ASSY.- ARM'T.-CABLES-WING

OPP. HAND 28A5167-R

DWG. SIZE D 28A5167

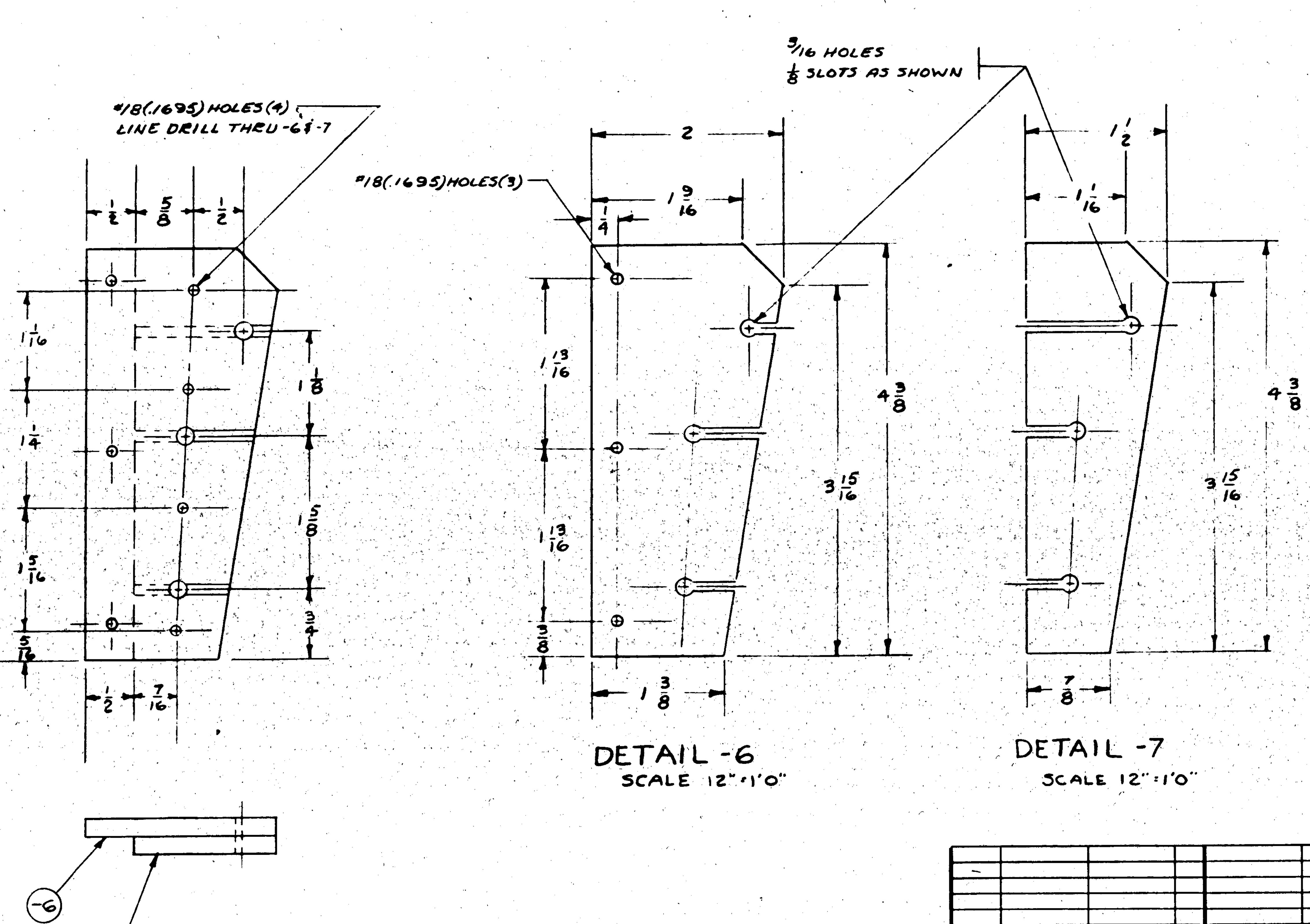
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R



LET
ALTERATION
DATE
BY
7
13 7/8
7
5/16
CAC #32-17
-R PBY-5 28F6335 1
-L PBY-5 28F6335 1
ASSY. DASH No.
MODEL
NEXT ASSY.
REQUIREMENTS PER AIRPLANE
REPLACES
.50
CALC. WT.
REPLACED BY
ACT. WT.
± 1/32
SCALE
6"=1'0"
STAMP PART NUMBER WHERE SHOWN
.064X7-3/4X14
ALCLAD
47AB-T
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
AC
NAVY
Z-P-GP
HEAT TREAT
FINISH
DRAFT
CHECK
STRUCT
MAT
APPROV
ENG
NAME CHANNEL-ARMT-BOMB REL: CABLE TRAVEL RED.-REINF.-
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP. HAND 28A5169-R
DWG.
D
SIZE
28A5169
R

LET	ALTERATION	DATE	BY



CAC #36-7

NOTE:
WIRE TOGETHER AFTER DRILLING.
IN PAIRS

PURCHASE TO DWG.

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5	28A5167	2

REQUIREMENTS PER AIRPLANE

REPLACES	.15 CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 LH REQ.	-0 RH REQ.	-2 LH REQ.	-2 RH REQ.	-3 LH REQ.	-3 RH REQ.	-4 LH REQ.	-4 RH REQ.	-5 LH REQ.	-5 RH REQ.
-7	3/16 x 1 5/8 x 4 1/2	PHENOLIC	17PS-FBM-5	1									
-6	3/16 x 2 1/8 x 4 1/2	PHENOLIC	17PS-FBM-5	1									

PARTS LIST PER ASSY.

[redacted]

		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.
AC		WALLACE	LINN	[signature]		[signature]	[signature]
NAVY —	—	11-3-42	11-4-42	11	[signature]	11-7-42	
HEAT TREAT	FINISH						

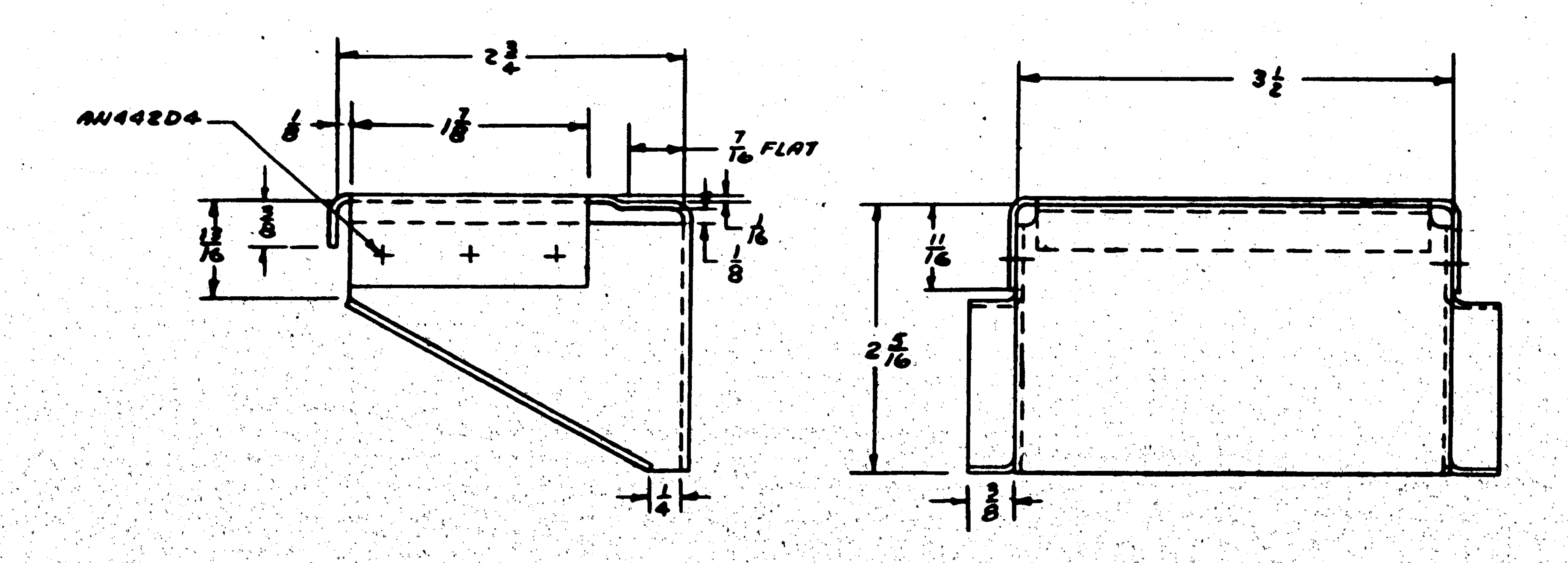
NAME
FAIRLEADS-CABLE-ARM.-WING

OPP. HAND

DWG. D SIZE 28A5170

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

LET	ALTERATION	DATE	BY



ALL BEND RADII 3/32

MCR #726-1

	PBY-5	28A5175	1
ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.

REQUIREMENTS PER AIRPLANE

REPLACES	.28 CALC. WT.
REPLACED BY	ACT. WT.
LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	SCALE 12"=1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.
AN442D4			
	.064X5 3/16X3 1/8	ALCLAD	47A8-7

PARTS LIST PER ASSY.

LH	RH	LH	RH	LH	RH	LH	RH	LH	RH
REQ.		REQ.		REQ.		REQ.		REQ.	
-0		-2		-3		-4		-5	

[redacted]

AG			WMINCE	ADAM				
NAVY NONE	3-P-GP		12-1-42					
HEAT TREAT	FINISH		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.

NAME BRACKET-ARM'T-MK9C BOMBSIGHT SUPT.-BASE

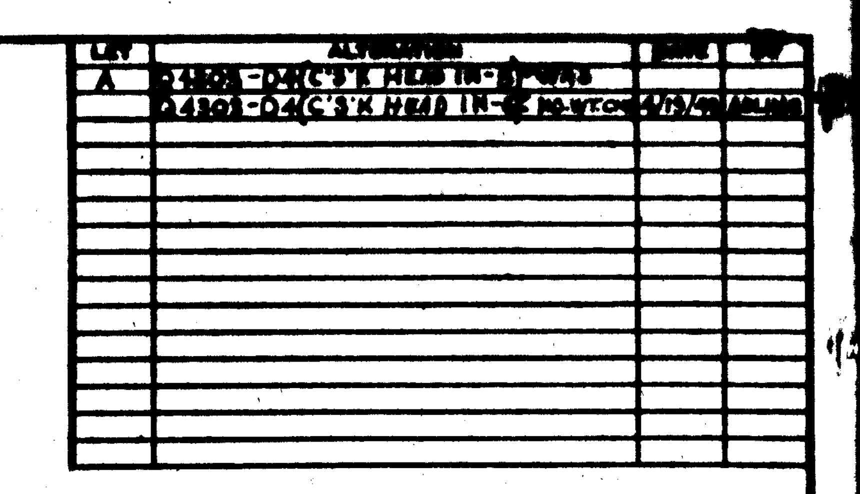
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

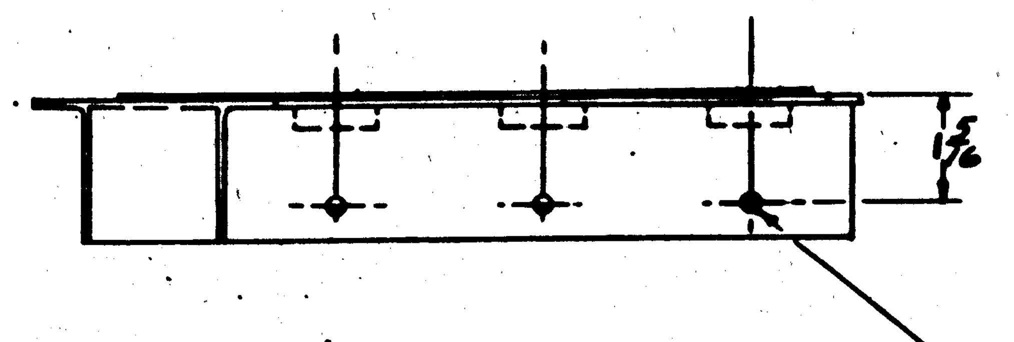
OPP. HAND

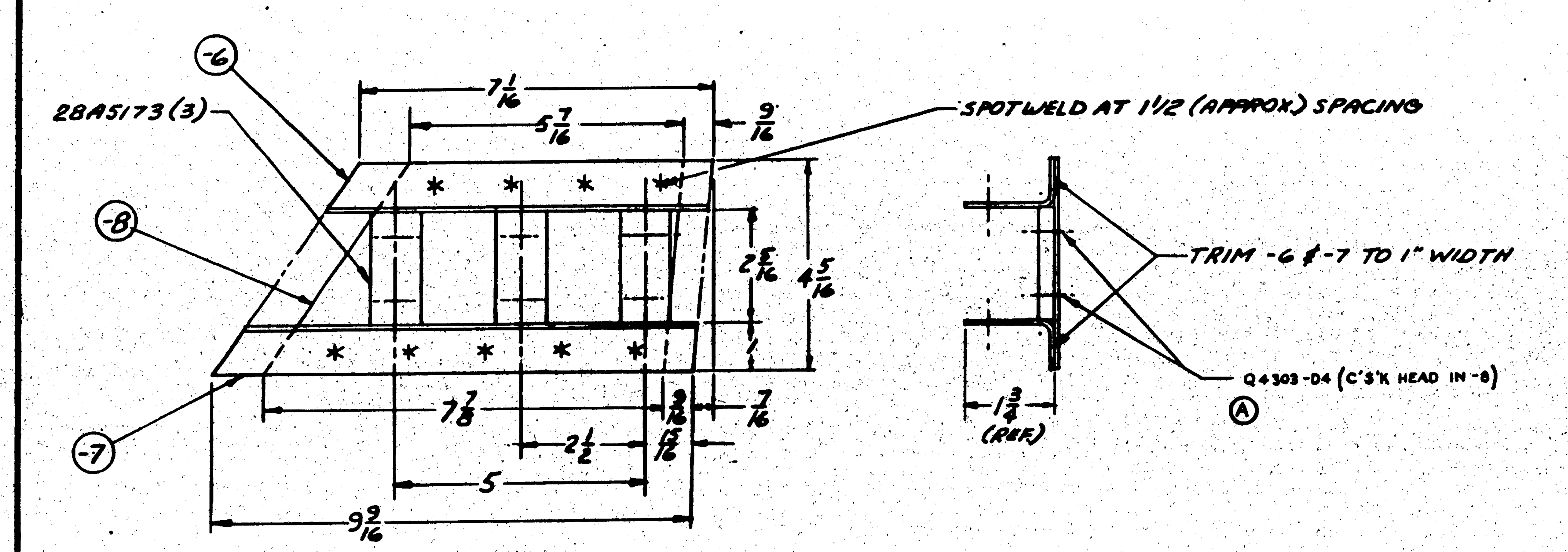
DWG. SIZE D 28A5172

R

APPROVED FOR TOOLING BY R.B. Humphreys 1-1-43







C.A.C. CHGE. #126-1

PART No.	STOCK	MATERIAL	SPEC.	-0	-2	-3	-4	-5
Q4303-D4								
28A5173				3				
-8	.064 x 4 3/8 x 9	ALCLAD	47A8-T	1				
-7	1/64 x 1 x 24 T19			1				
-6	1/64 x 1 x 24 T19			1				

PARTS LIST PER ASSY.

MODEL	NEXT ASSY.	REQ.
PBY-5	28A5172	1

REQUIREMENTS PER AIRPLANE

WEIGHT: .67

± 1/32 SCALE 6" = 1'-0"

[redacted]

NAVY	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.
NONE	Z-P-6P	Finkle 12-29-42					

HEAT TREAT

NAME: BRACKET-ARM,- BOMBSIGHT SUPPORT

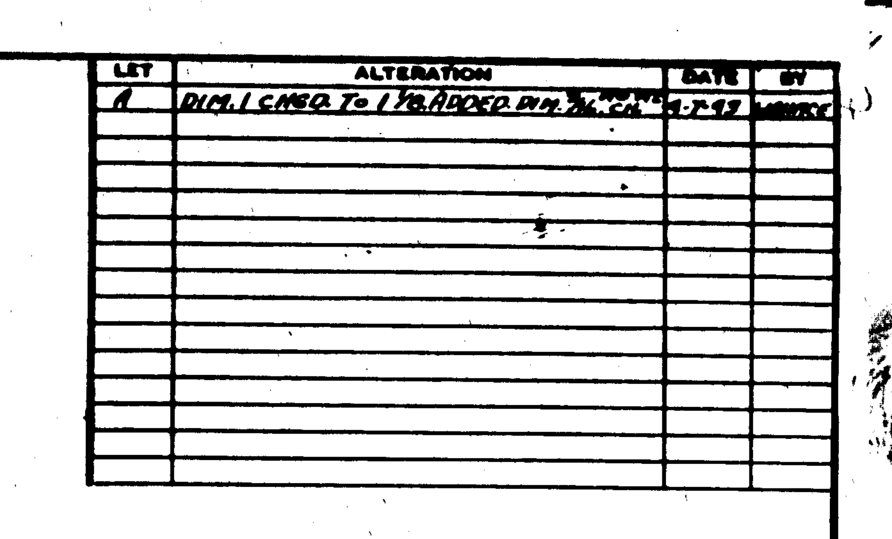
OPP. HAND: NONE

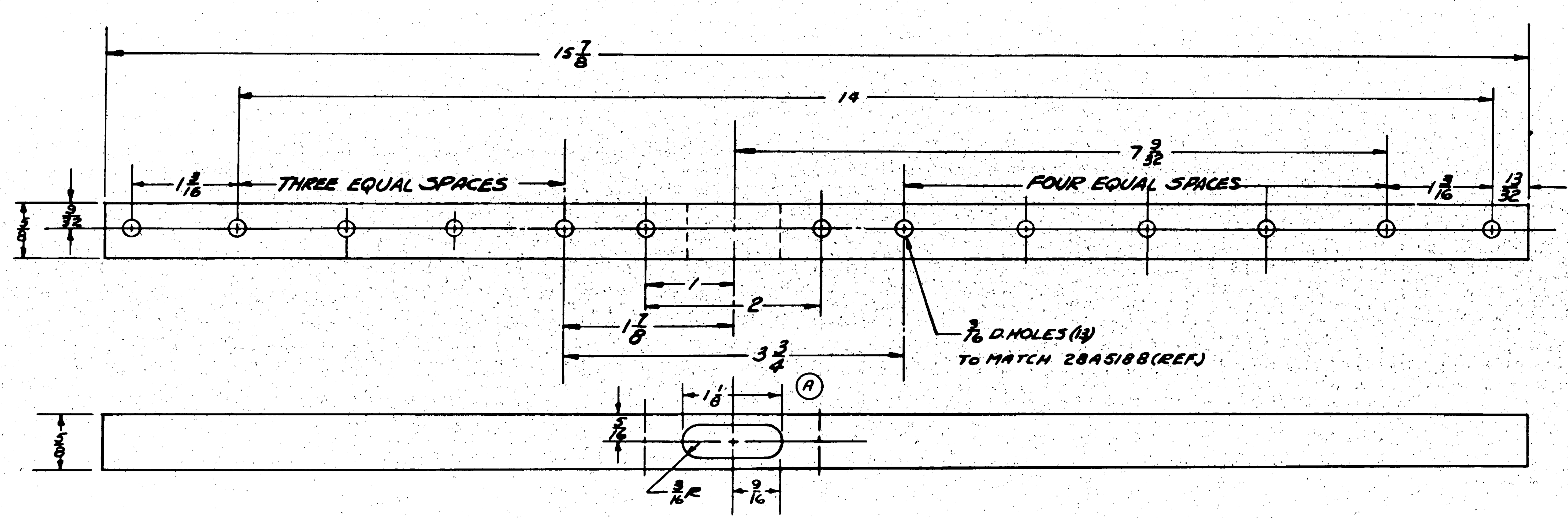
DWG. SIZE: D

28A5178

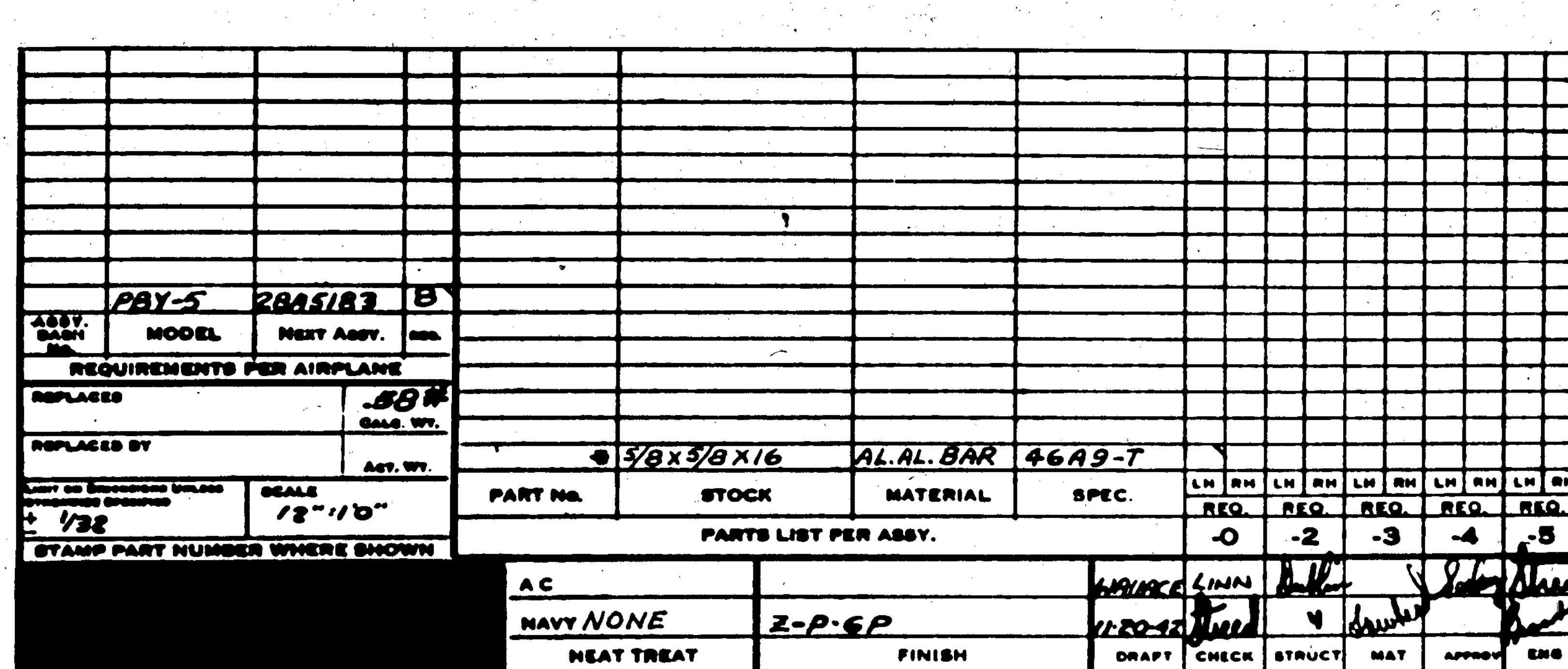
CONSOLIDATED AIRCRAFT CORP. · SAN DIEGO, CALIF.

APPROVED FOR TOOLING BY
P.B. Humphrey 1-1-43





MCR 126-2



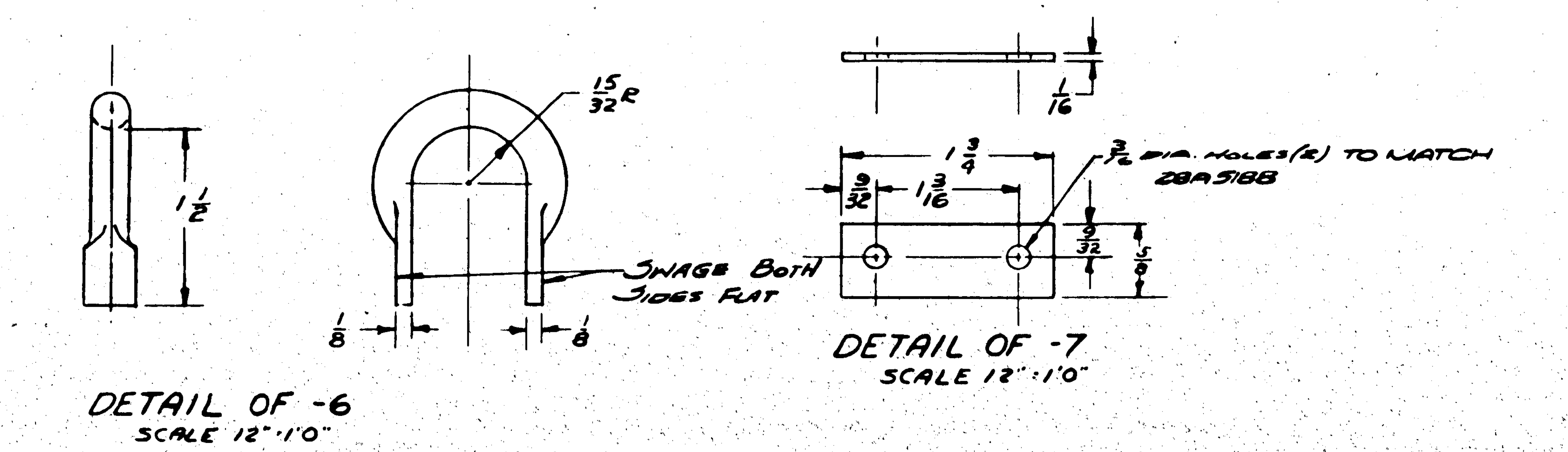
APPROVED FOR

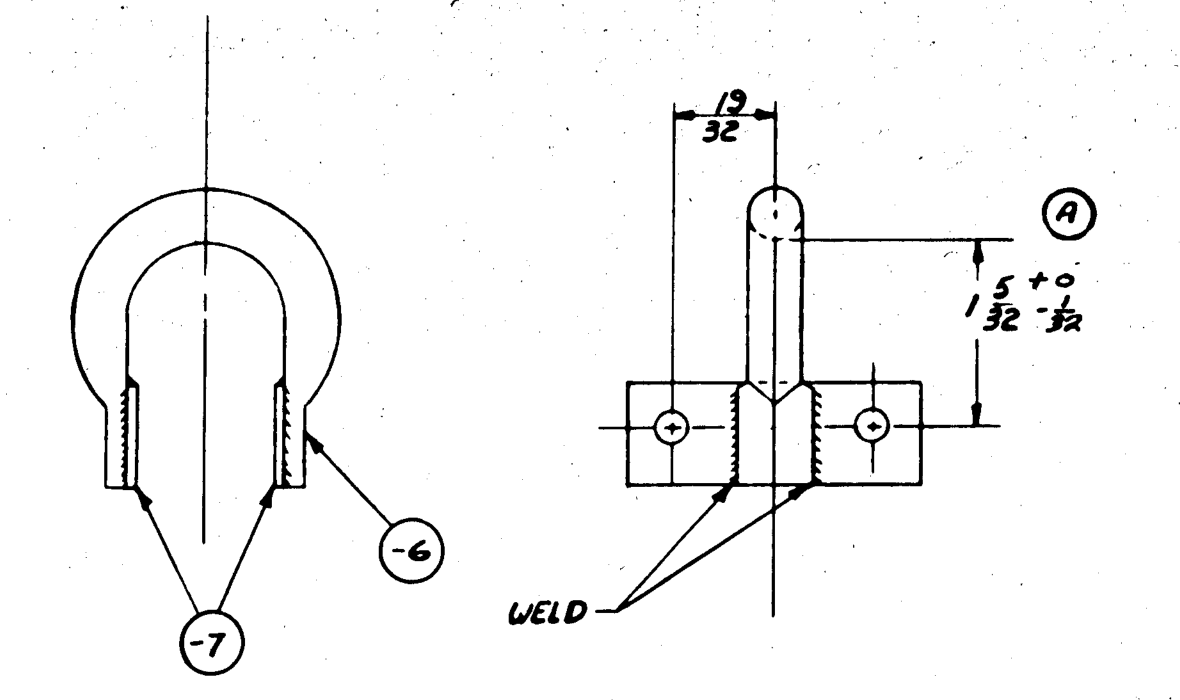
TOOLING BY

R. B. Humphrey 1-2-43

R

LET	ALTERATION	DATE	BY
A	ADDED +0 -1/32 TO 1 5/32 DIM. IN WLCH.	4-7-42	WALLACE





M.C.B.# 126-Z

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5	28A5183	16

REQUIREMENTS PER AIRPLANE

REPLACES	.105# CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	SCALE 12"·1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 REQ. LH	-0 REQ. RH	-2 REQ. LH	-2 REQ. RH	-3 REQ. LH	-3 REQ. RH	-4 REQ. LH	-4 REQ. RH	-5 REQ. LH	-5 REQ. RH
-7	.064 × 1 7/8 × 3/4	CH. MOLY ST.	AN-QQ-S-685 A-1	2									
-6	5/16 D. × 4	CH. MOLY ROD	AN-QQ-S-684 C-4	1									

PARTS LIST PER ASSY.

[redacted]

AC		WALLACE 11-20-42	LINN				
NAVY 150,000 P.S.I.	C-P-GP			4			
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.

NAME U-BOLT ASSY-ARM'T-ADAPTER-BOMB REL. RACK

OPP. HAND

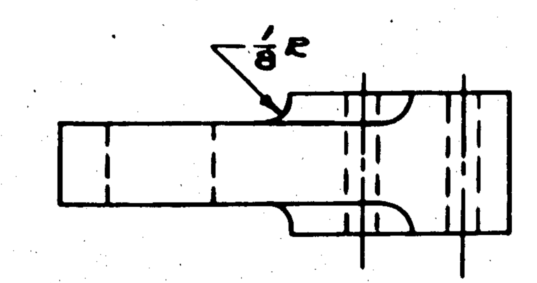
DWG. SIZE D — 28A5184

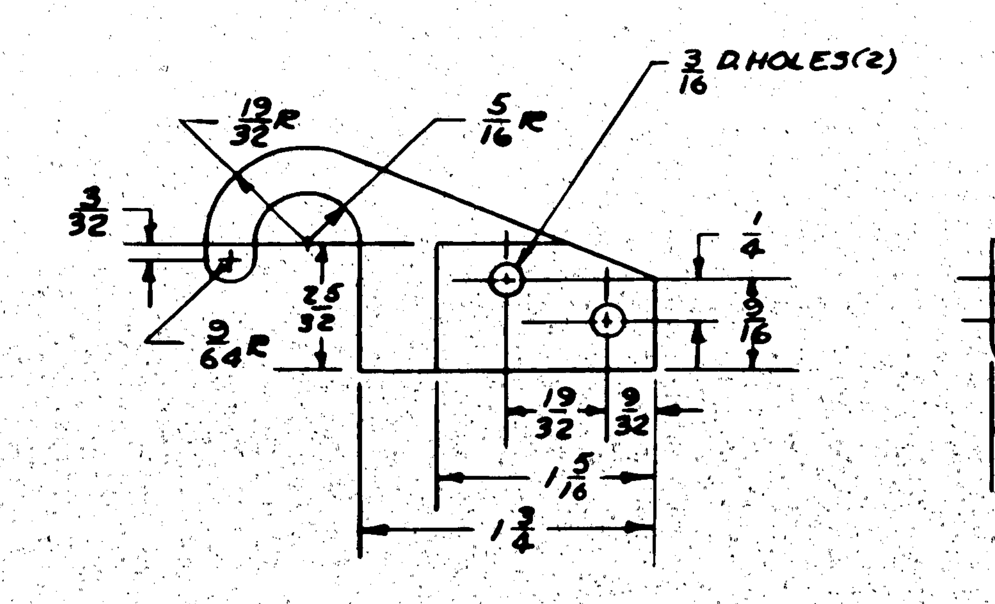
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

APPROVED FOR TOOLING BY R.B. Humphreys 1-8-43

LET	ALTERATION	DATE	BY
A	ON FACE OF DWG., MAT. NOTE # 1,		
	REMOVED FROM SPEC. "COND F-4."		
	IN H.T. BLOCK, REPLACED "NONE"		
	WITH "120,000 TO 145,000 #/□".		
	NO WT. CHG.	6-9-43	KNIGHT





M.C.R. # 126-2

NOTE: HOLES MUST BE JIG LOCATED TO MATCH 28A5185.

ALT. MAT'L: 1. CHROME-MOLY STEEL, SPEC. AN-QQ-S-684.
2. NE8735 STEEL, SPEC. AN-S-15 COND. F-2.

APPROVED FOR TOOLING BY
R. B. Humphreys 1-2-42

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5	28A5183	B

REQUIREMENTS PER AIRPLANE

REPLACES	.774 # CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .032	SCALE 12"=1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	LH REQ.	RH REQ.	LH REQ.	RH REQ.	LH REQ.	RH REQ.	LH REQ.	RH REQ.	LH REQ.	RH REQ.
■	1 x 1 1/2 x 2 3/4	NOTED	NOTED										
				-0		-2		-3		-4		-5	

PARTS LIST PER ASSY.

AC		LAMOREE						
NAVY 120,000 TO 145,000 #/□"	C-P-GP	11-20-41						
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

NAME HOOK REL. BLOCK-ARM'T.-ADAPTER-BOMB REL. RACK

OPP. HAND

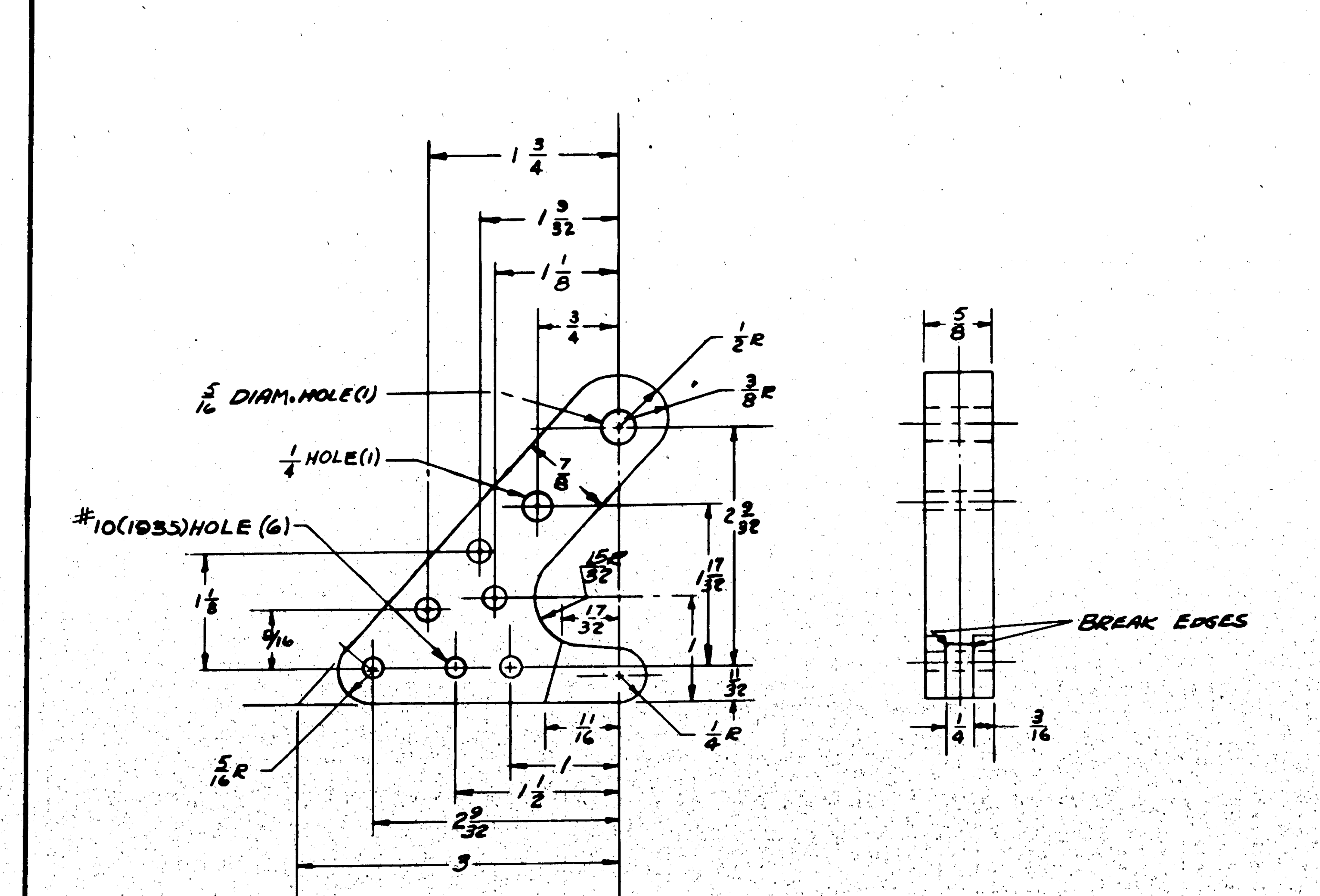
DWG. SIZE D 28A5186

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

M.C.R. 126-2
E.O. B 4143

LET	ALTERATION	DATE	BY
A	IN B/M-6 (5/8 X 2½ X 4¼) WAS (5/8 X 3 1/8 X 3¼) NO WT. CHG.	4-13-43	[illegible]
B	ON FACE OF DWG. IN ALTERNATE MAT. NOTE #1 REMOVED "F-4" FROM SPEC. IN HEAT TREAT BLOCK REPLACED "NONE" WITH "120,000 TO 145,000#/□"." (NO WT. CHG.)	5-28-43	KNIGHT



C.91876 B6 SHIPS ONLY
M.C.R. #126-2

NOTE: HOLES MUST BE JIG LOCATED TO MATCH 28A5188.

ALT. MAT'L: 1. CHROME-MOLY STEEL, SPEC. AN-QQ-S-689
2. NE 8735 STEEL, SPEC. AN-S-15 COND. F-2

APPROVED FOR TOOLING BY P.B. Humphreys 1-2-43

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5	28A5183	B

REQUIREMENTS PER AIRPLANE

REPLACES	.79# CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	SCALE 12"=1'0"

STAMP PART NUMBER WHERE SHOWN

[redacted]

PART No.	STOCK	MATERIAL	SPEC.	-0 REQ. LH	-0 REQ. RH	-2 REQ. LH	-2 REQ. RH	-3 REQ. LH	-3 REQ. RH	-4 REQ. LH	-4 REQ. RH	-5 REQ. LH	-5 REQ. RH
-6	5/8 X 2½ X 4¼	NOTED	NOTED	1									

PARTS LIST PER ASSY.

HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.
AC; NAVY 120,000 TO 145,000#/□"	C-P-GP	WALLACE 11-20-42	LINN	[signature]	[signature]	[signature]	[signature]

NAME TRIGGER BLOCK-ARM'T-ADAPTER-BOMB REL. RACK

OPP. HAND —

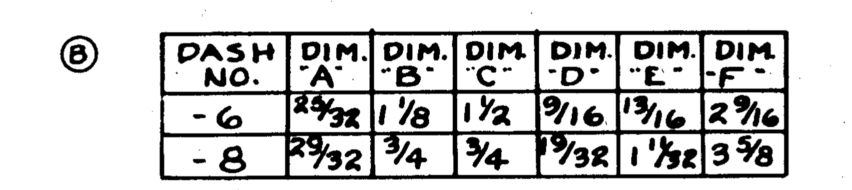
DWG. SIZE D 28A5187

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

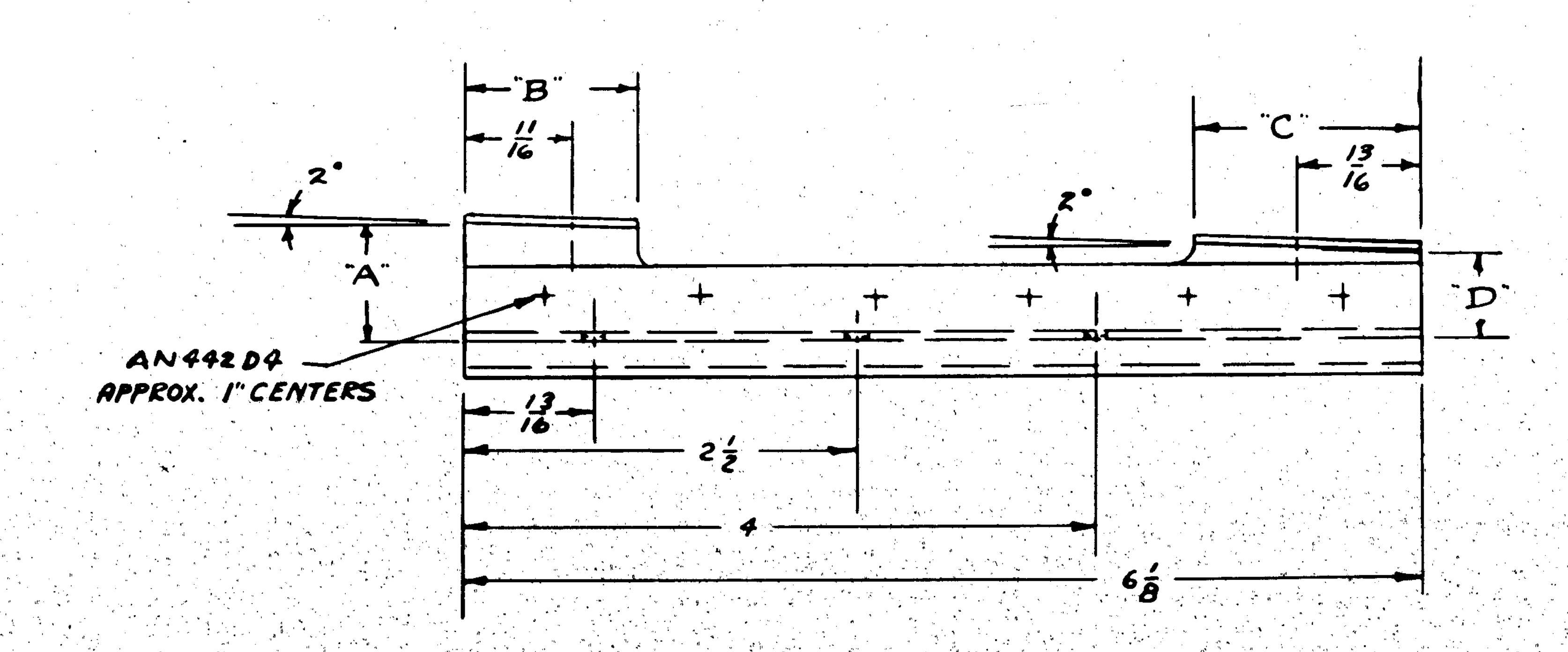
R

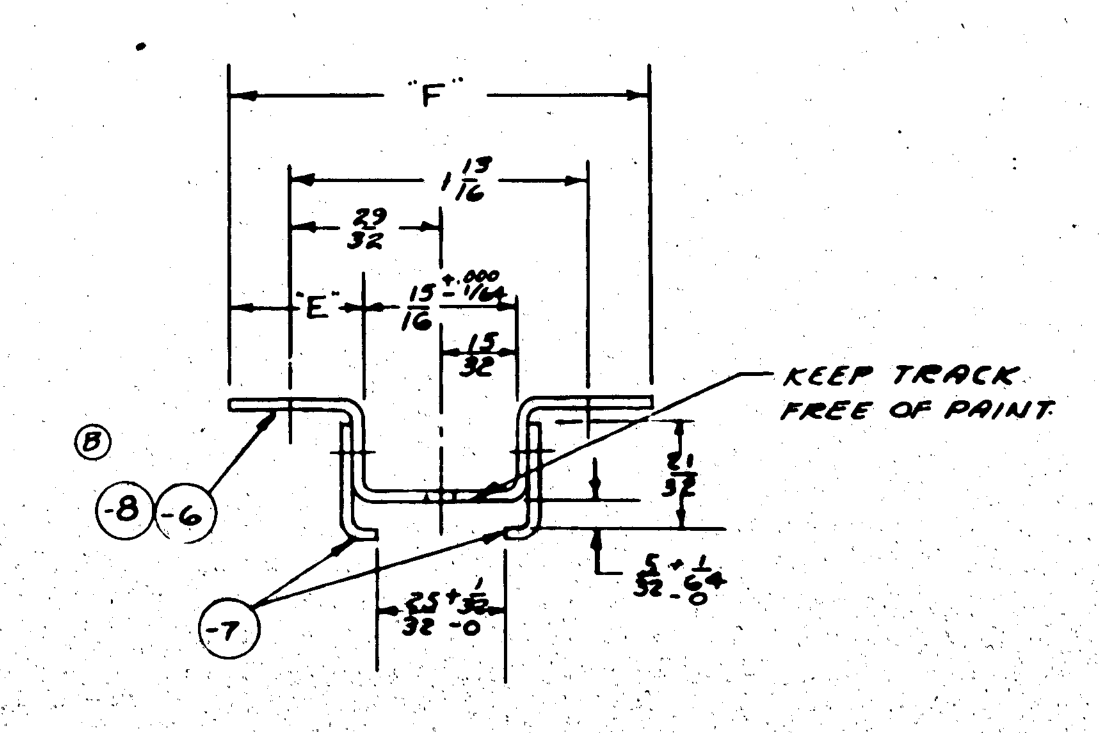
LET	ALTERATION	DATE	BY
A	CHGD. 9/64 D. HOLES (3) TO #4 (.209)		
	NO WT. CH.	4-28-43	[illegible]
B	CREATED -2 ASSY. SAME AS -0		
	EXCEPT -8 REPLACES -6. WT. CH. NO.	9-28-43	[illegible]

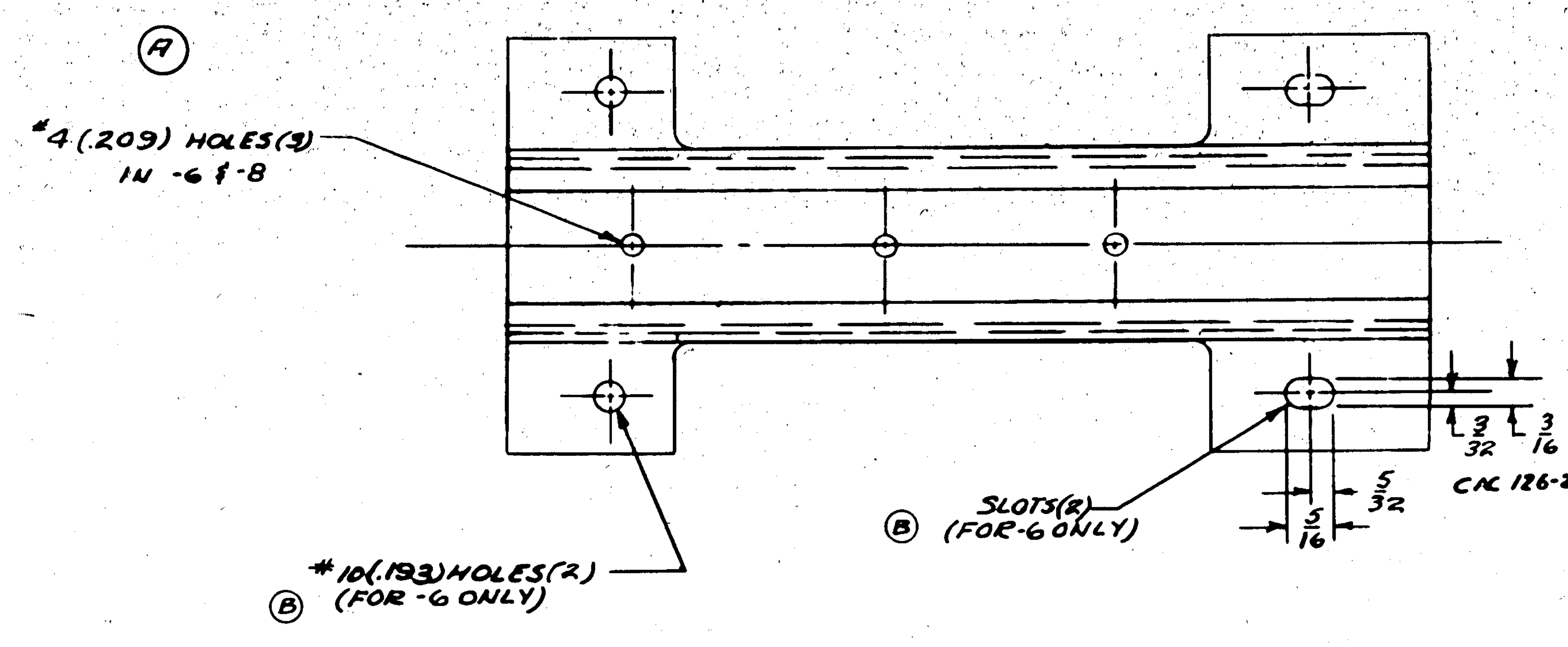
Ⓑ

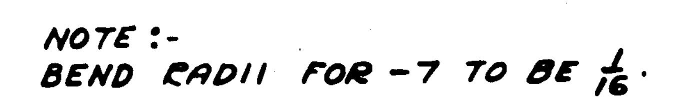


DASH NO.	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	DIM. "E"	DIM. "F"
-6	25/32	1 1/8	1 1/2	9/16	13/16	2 9/16
-8	29/32	3/4	3/4	19/32	1 1/32	3 5/8









NOTE :-
BEND RADII FOR -7 TO BE 1/16.

APPROVED FOR
TOOLING BY
[illegible] 1-2-43

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
-0	PBY-5	28A5202	4
-2	PBY-5	28A5201	2

REQUIREMENTS PER AIRPLANE

REPLACES	.283 CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	SCALE 12":1'0"

STAMP PART NUMBER WHERE SHOWN

AN442 D4

PART No.	STOCK	MATERIAL	SPEC.	-0 LH	-0 RH	-2 LH	-2 RH	-3 LH	-3 RH	-4 LH	-4 RH	-5 LH	-5 RH
-8	.064x5 5/8x6 1/4	ALCLAD	QQ-A-362 II			1							
-7	.064x[illegible]x6 1/4	ALCLAD	QQ-A-362 II	2		2							
-6	.064x4 1/16x6 1/8	ALCLAD	QQ-A-362 II	1									

PARTS LIST PER ASSY.

[redacted]

AC		[illegible]	LINN	[illegible]		[illegible]	
NAVY NONE	ZP-6P	12-21-42	[illegible]	"	[illegible]		[illegible]
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.

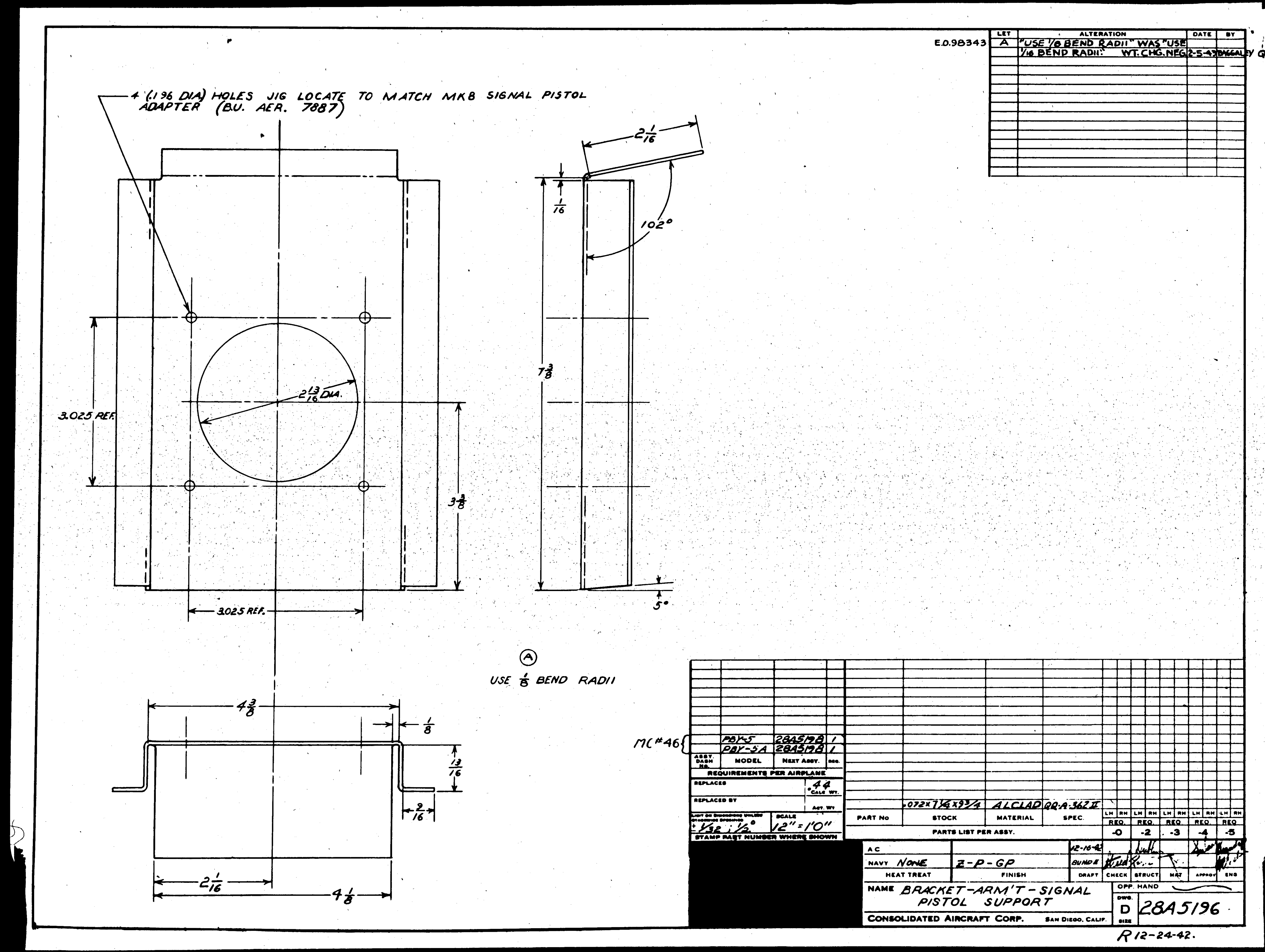
NAME TRACK ASSY.-ARMT.-ADAPTER-BOMB ARMING-FWD

CONSOLIDATED AIRCRAFT CORP. WF SAN DIEGO, CALIF.

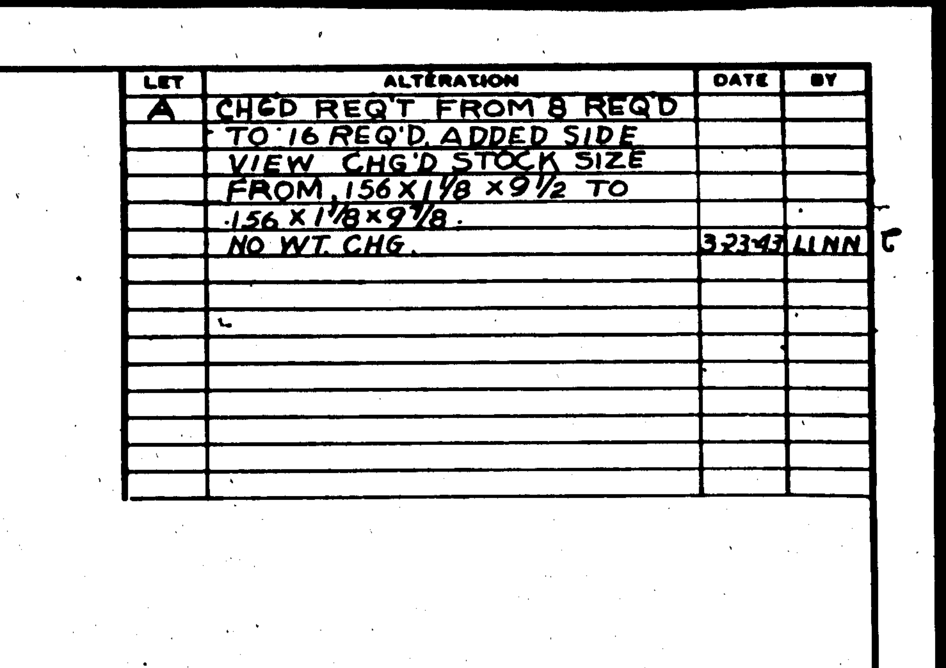
OPP. HAND

DWG. SIZE D 28A5195

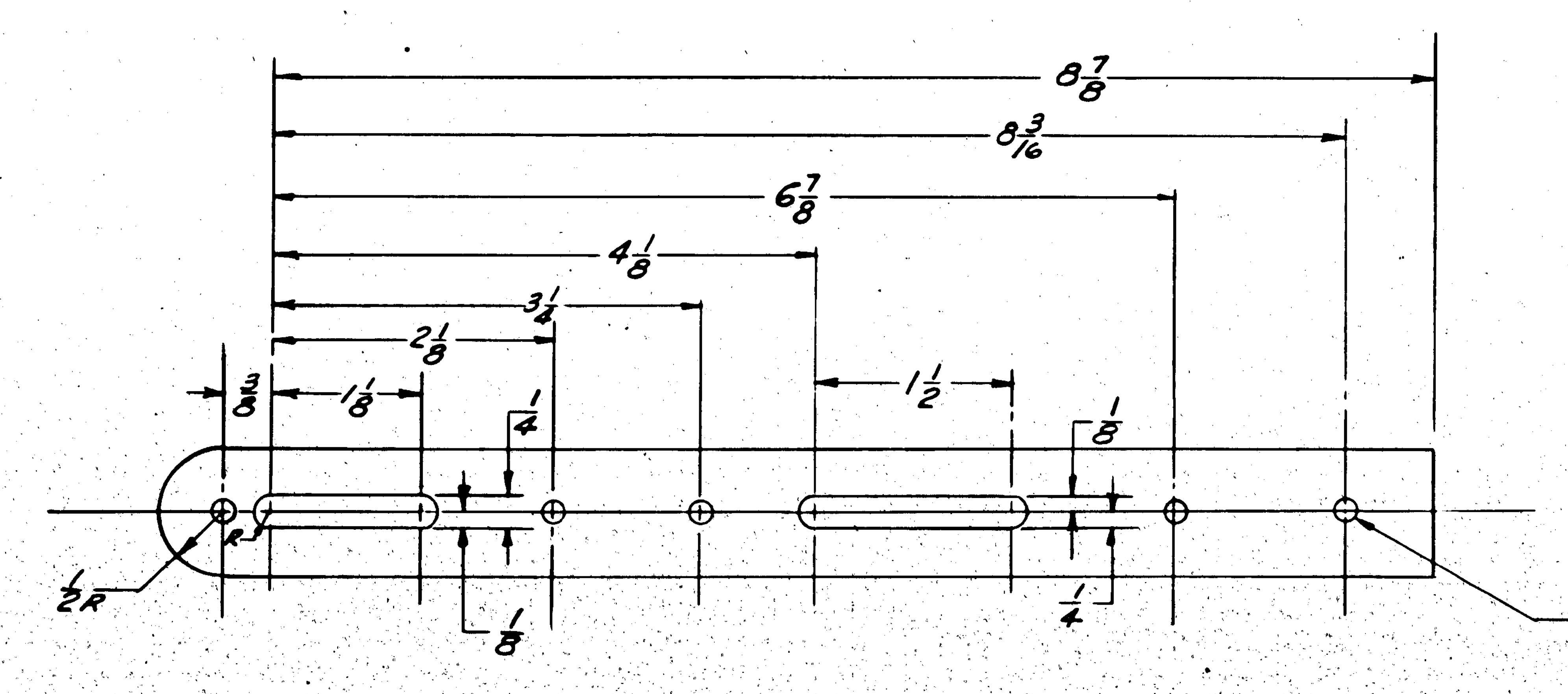
R



E.O.98343
LET | ALTERATION | DATE | BY
A "USE 1/8 BEND RADII" WAS "USE 1/16 BEND RADII" WT. CHG. NEG 2-5-43
4 (.196 DIA) HOLES JIG LOCATE TO MATCH MKB SIGNAL PISTOL ADAPTER (BU. AER. 7887)
2 1/16
1/16
102°
7 3/8
2 13/16 DIA.
3.025 REF.
3 3/8
5°
3.025 REF.
A
USE 1/8 BEND RADII
4 3/8
1/8
13/16
9/16
2 1/16
4 1/8
MC #46
PBY-5 28A5198 1
PBY-5A 28A5198 1
ASSY. DASH No. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.44 CALC. WT.
REPLACED BY
ACT. WT.
± 1/32 ; 1/2°
SCALE 12" = 1'0"
STAMP PART NUMBER WHERE SHOWN
.072 x 7 1/4 x 9 3/4 ALCLAD QQ-A-362 II
PART No | STOCK | MATERIAL | SPEC.
PARTS LIST PER ASSY.
LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
AC
NAVY NONE
HEAT TREAT
Z-P-GP
FINISH
12-16-42
DRAFT | CHECK | STRUCT | MAT | APPROV | ENG
NAME BRACKET-ARM'T-SIGNAL PISTOL SUPPORT
OPP. HAND
DWG. SIZE D
28A5196
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R 12-24-42.



LET	ALTERATION	DATE	BY
A	CHG'D REQ'T FROM 8 REQ'D TO 16 REQ'D. ADDED SIDE VIEW. CHG'D STOCK SIZE FROM .156 X 1 1/8 X 9 1/2 TO .156 X 1 1/8 X 9 1/8. NO WT. CHG.	3-23-43	LINN



(A)

C.A.C. CHG # 126-2

ASSY. DASH NO.	MODEL	NEXT ASSY.	R.Q.
	PBY-5	28A5183	16

REQUIREMENTS PER AIRPLANE

REPLACES	.15 # CALC WT.
REPLACED BY	ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

[redacted]

PART No.	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
	.156 x 1 1/8 x 9 1/8	ALCLAD	47A8-T					

PARTS LIST PER ASSY.

		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
AC			R.S.				
NAVY NONE	Z-AGD	1/1/43					
HEAT TREAT	FINISH						

NAME SPACER-ARM'T.-ADAPTER-BOMB RELEASE RACK

OPP. HAND

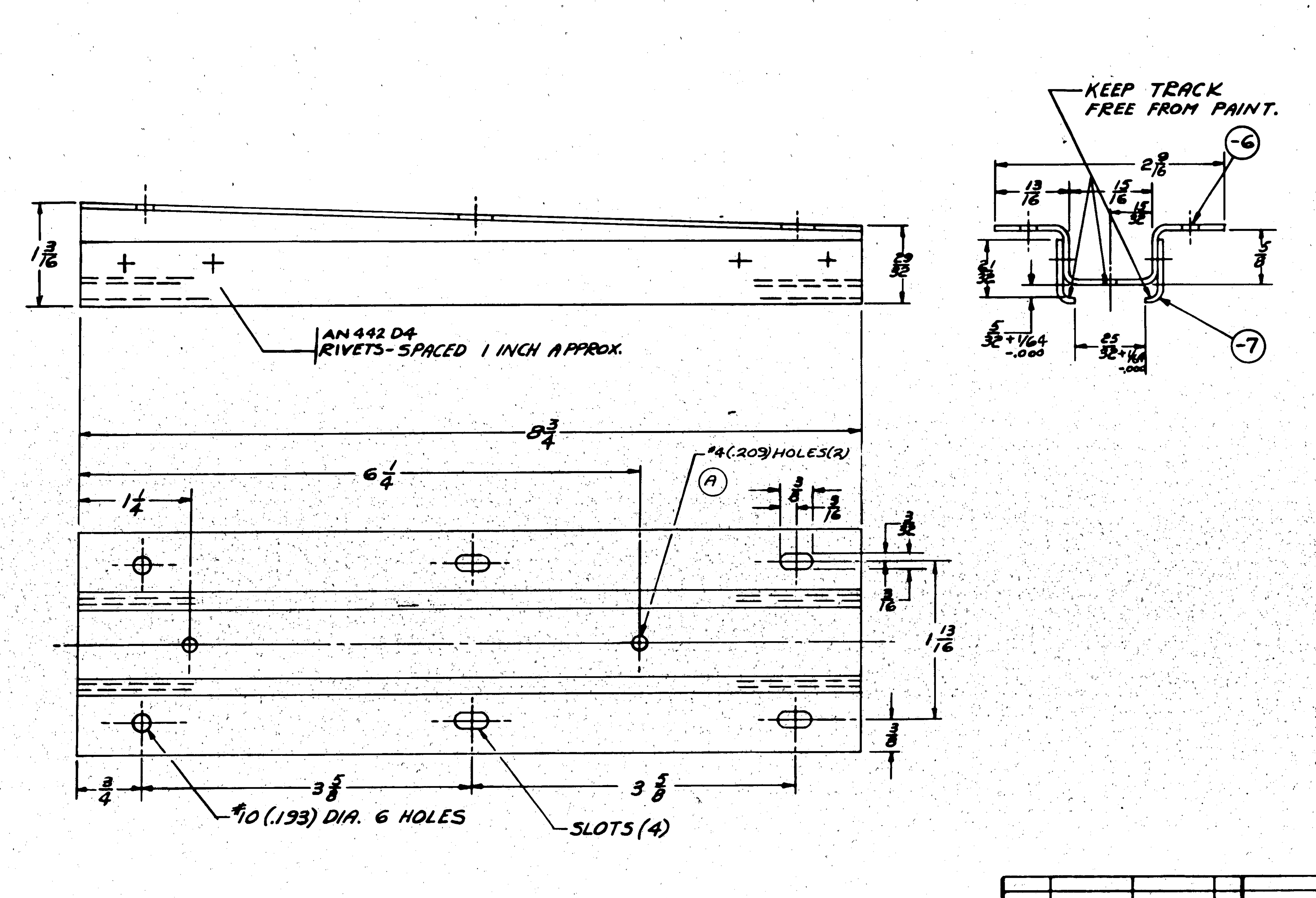
DWG. SIZE D — 28A5203

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

APPROVED FOR TOOLING BY R.B. [signature] 1-2-43

LET	ALTERATION	DATE	BY
A	CHGD. 9/64 D. HOLES(2) TO #4(.209). NO WECN.	4-14-43	[illegible]



MCR 126-2

NOTE:-
BEND RADII FOR -7 TO BE 1/16

APPROVED FOR TOOLING BY R.B. Humphrys 1-2-43

PBY-5	28A5201	2	AN442-D4
ASSY. DASH No. / MODEL	NEXT ASSY.	REQ.	

REQUIREMENTS PER AIRPLANE

REPLACES — .23# CALC. WT.

REPLACED BY — ACT. WT.

± 1/32 & NOTED — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 REQ. LH	-0 REQ. RH	-2 REQ. LH	-2 REQ. RH	-3 REQ. LH	-3 REQ. RH	-4 REQ. LH	-4 REQ. RH	-5 REQ. LH	-5 REQ. RH
-7	.064 X 1 X 9	ALCLAD	47AB-T	2									
-6	.064 X 4 X 9	ALCLAD	47AB-T	1									

PARTS LIST PER ASSY.

[redacted]

AC		PORTER 12/23/42	LINN	[illegible]	[illegible]	[illegible]	[illegible]
NAVY NONE	ZP-6P						
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.

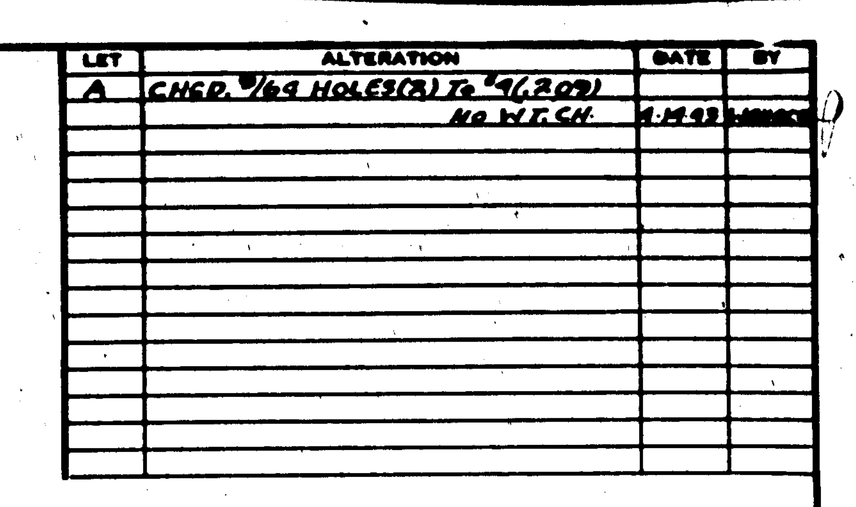
NAME TRACK ASSY.-ARM'T.-BRITISH BOMB FUSING-EXTERNAL-F'W'D.

OPP. HAND

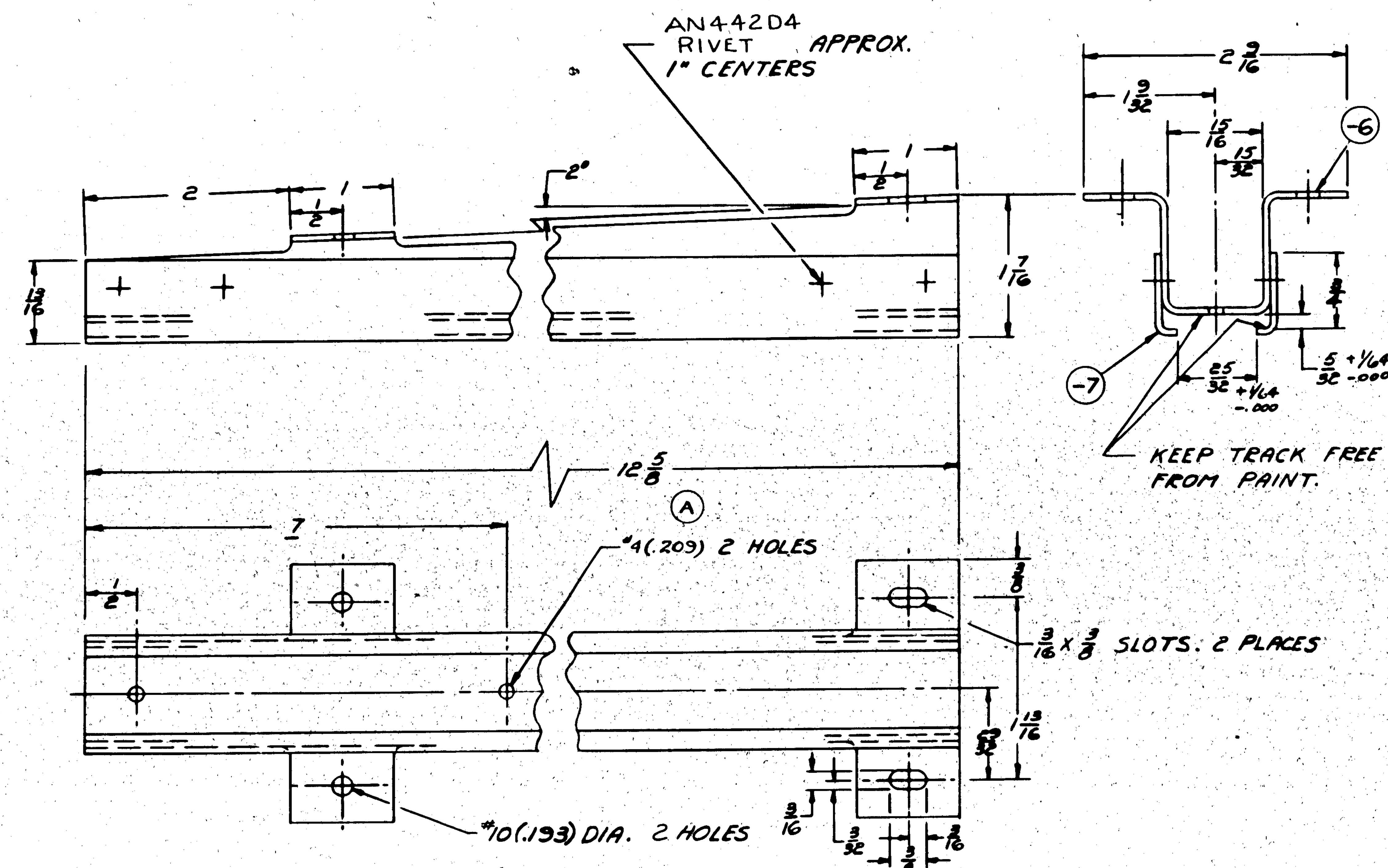
DWG. SIZE D — 28A 5209

CONSOLIDATED AIRCRAFT CORP. WF SAN DIEGO, CALIF.

R 1/6/43



LET	ALTERATION	DATE	BY
A	CHGD. #/64 HOLES(2) TO #4(.209)		
	NO WT. CH.	4-14-43	



MCR#126-2

				AN442D4													
	PBY-5	28A5201	4														
ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.														
REQUIREMENTS PER AIRPLANE																	
REPLACES		.42# CALC. WT.															
REPLACED BY		ACT. WT.		-7	.064 X 1 X 12 3/4	ALCLAD	47AB-T	2									
				-6	.064 X 5 X 12 3/4	ALCLAD	47AB-T	1									
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 & NOTED		SCALE 12" = 1'-0"		PART No.	STOCK	MATERIAL	SPEC.	LH	RH	LH	RH	LH	RH	LH	RH	LH	RH
								REQ.		REQ.		REQ.		REQ.		REQ.	
STAMP PART NUMBER WHERE SHOWN				PARTS LIST PER ASSY.				-0		-2		-3		-4		-5	

[redacted]

AC		PORTER	LINN				
NAVY NONE	ZP-GP	12/24/42					
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.

NAME TRACK ASSY-ARM'T-BRITISH BOMB FUSING-EXTERNAL REAR

OPP. HAND —

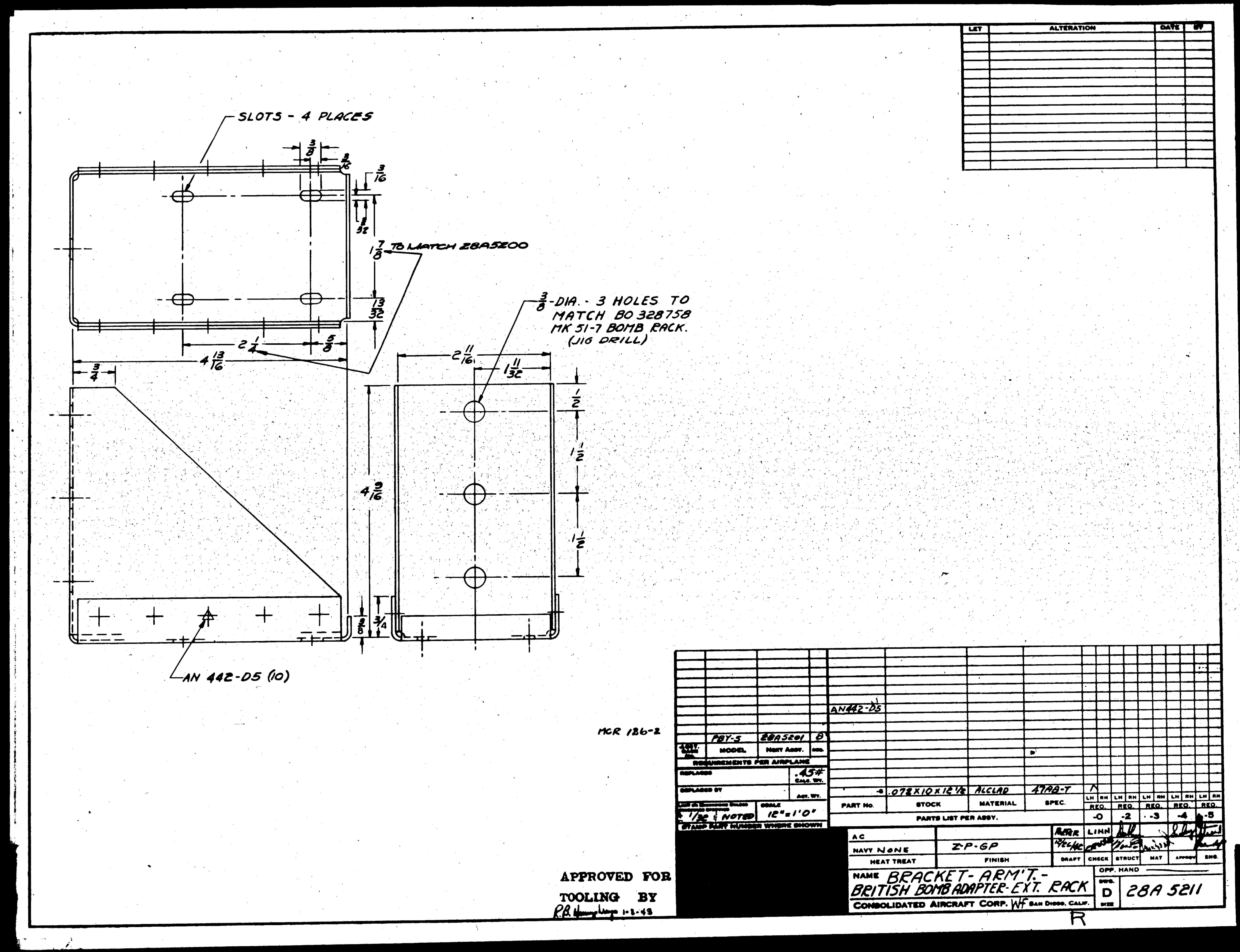
DWG. SIZE D 28A 5210

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

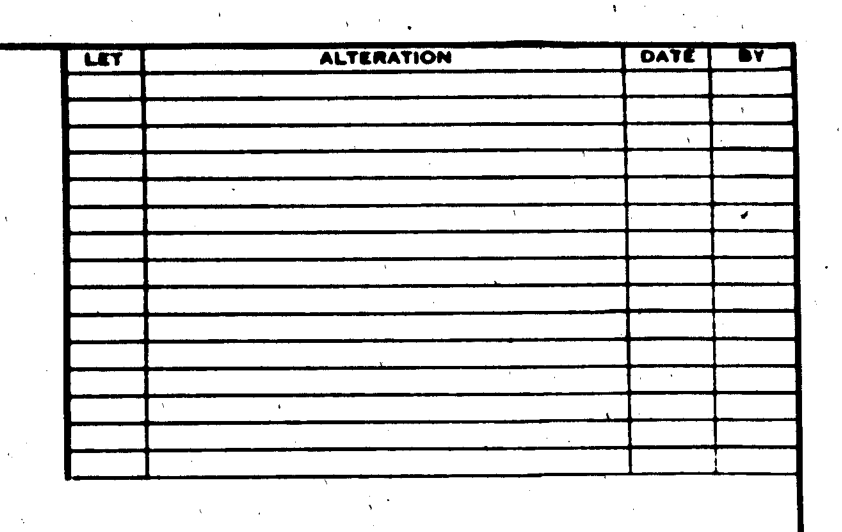
R.

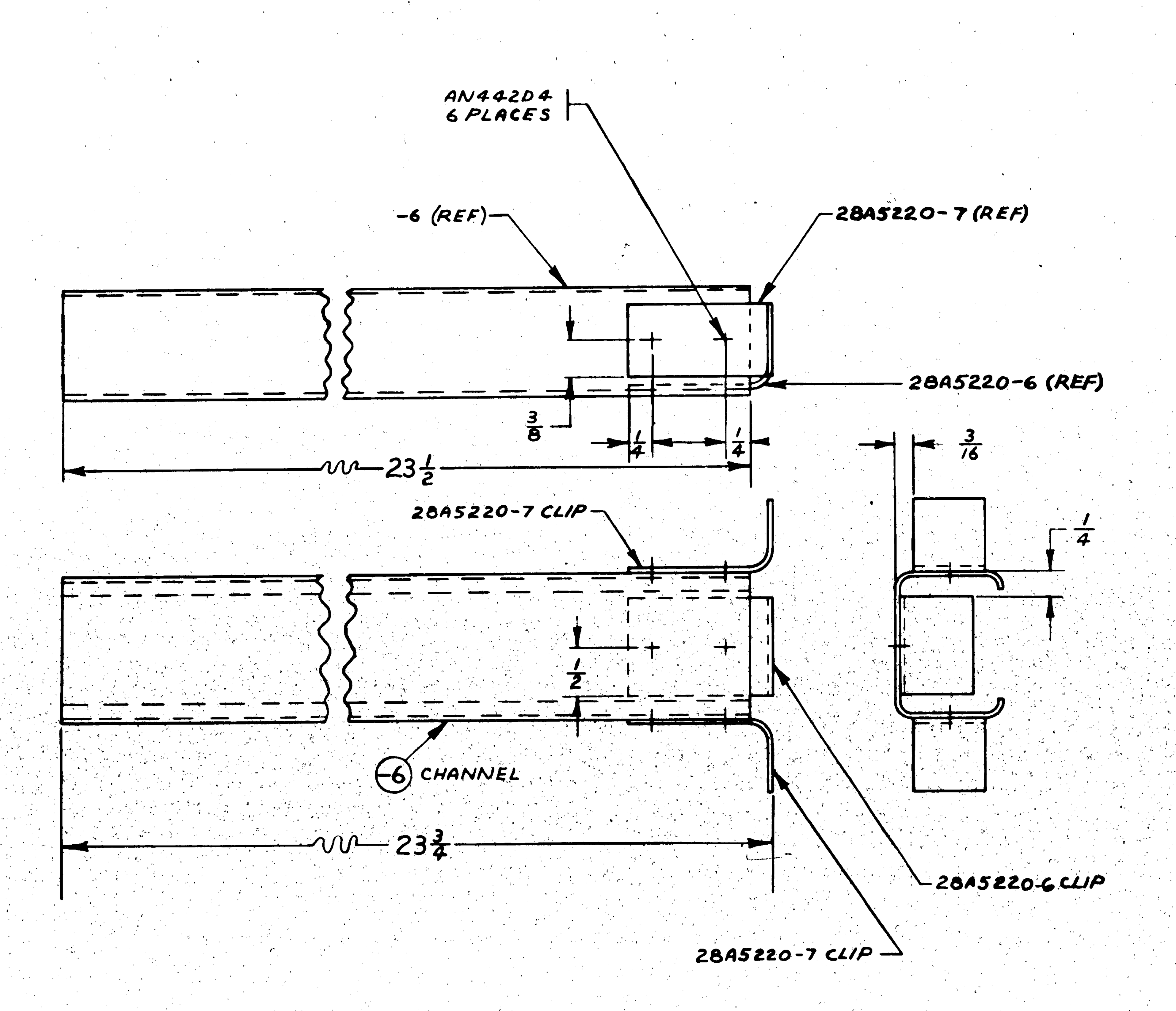
NOTE :-
BEND RADII FOR -7 TO BE 1/16

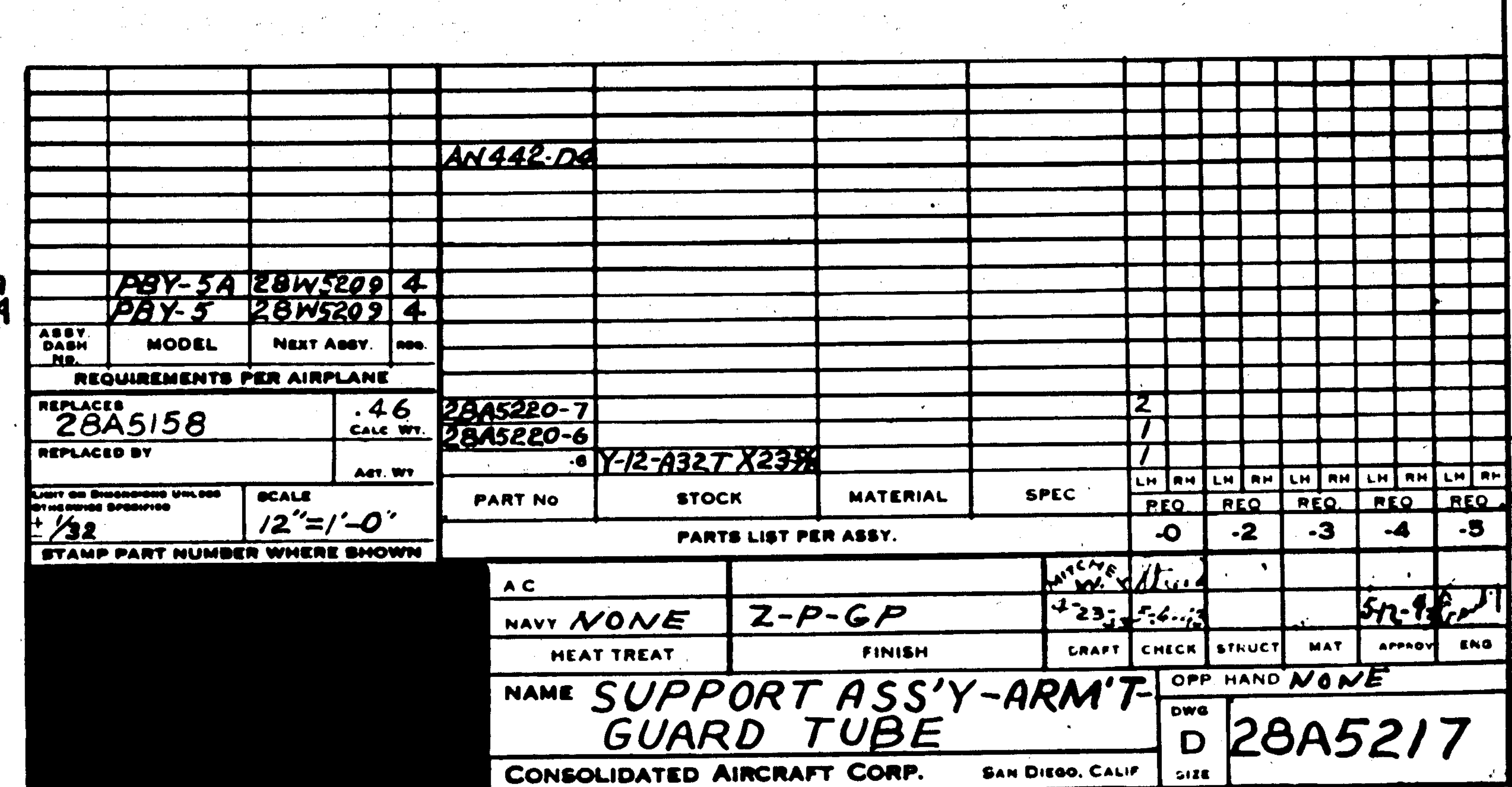
APPROVED FOR
TOOLING BY
R.B. HUMPHREYS 1-2-43



LET
ALTERATION
DATE
BY
SLOTS - 4 PLACES
3/8
3/16
3/16
3/32
1 7/8 TO MATCH 28A5200
13/32
2 1/4
5/8
4 13/16
3/4
3/8-DIA. - 3 HOLES TO
MATCH BO 328758
MK 51-7 BOMB RACK.
(JIG DRILL)
2 11/16
1 11/32
1/2
1 1/2
1 1/2
4 9/16
3/8
3/4
AN 442-D5 (10)
MCR 186-2
AN442-D5
PBY-5
28A5201
MODEL
NEXT ASSY.
REQUIREMENTS PER AIRPLANE
REPLACES
.45#
CALC. WT.
REPLACED BY
ACT. WT.
1/32 & NOTED
SCALE
12"=1'0"
STAMP PART NUMBER WHERE SHOWN
-0
.072X10X12 1/2
ALCLAD
47AB-T
PART No.
STOCK
MATERIAL
SPEC.
LH
RH
REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
AC
NAVY NONE
HEAT TREAT
Z-P-GP
FINISH
LINN
DRAFT
CHECK
STRUCT
MAT
APPROV
ENG.
OPP. HAND
NAME BRACKET-ARM'T.-
BRITISH BOMB ADAPTER-EXT. RACK
DWG.
D
SIZE
28A 5211
CONSOLIDATED AIRCRAFT CORP. WF SAN DIEGO, CALIF.
R
APPROVED FOR
TOOLING BY
1-8-43

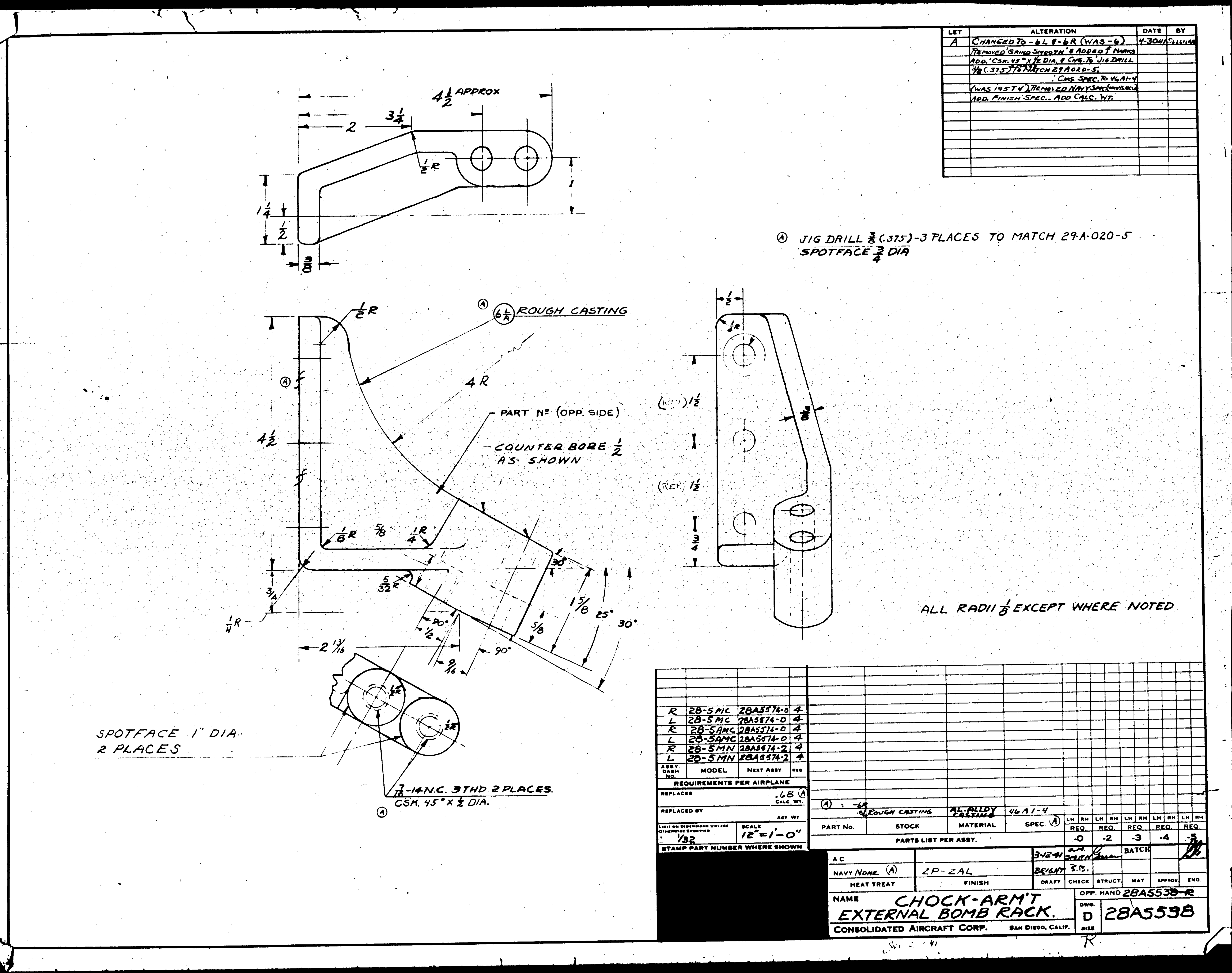


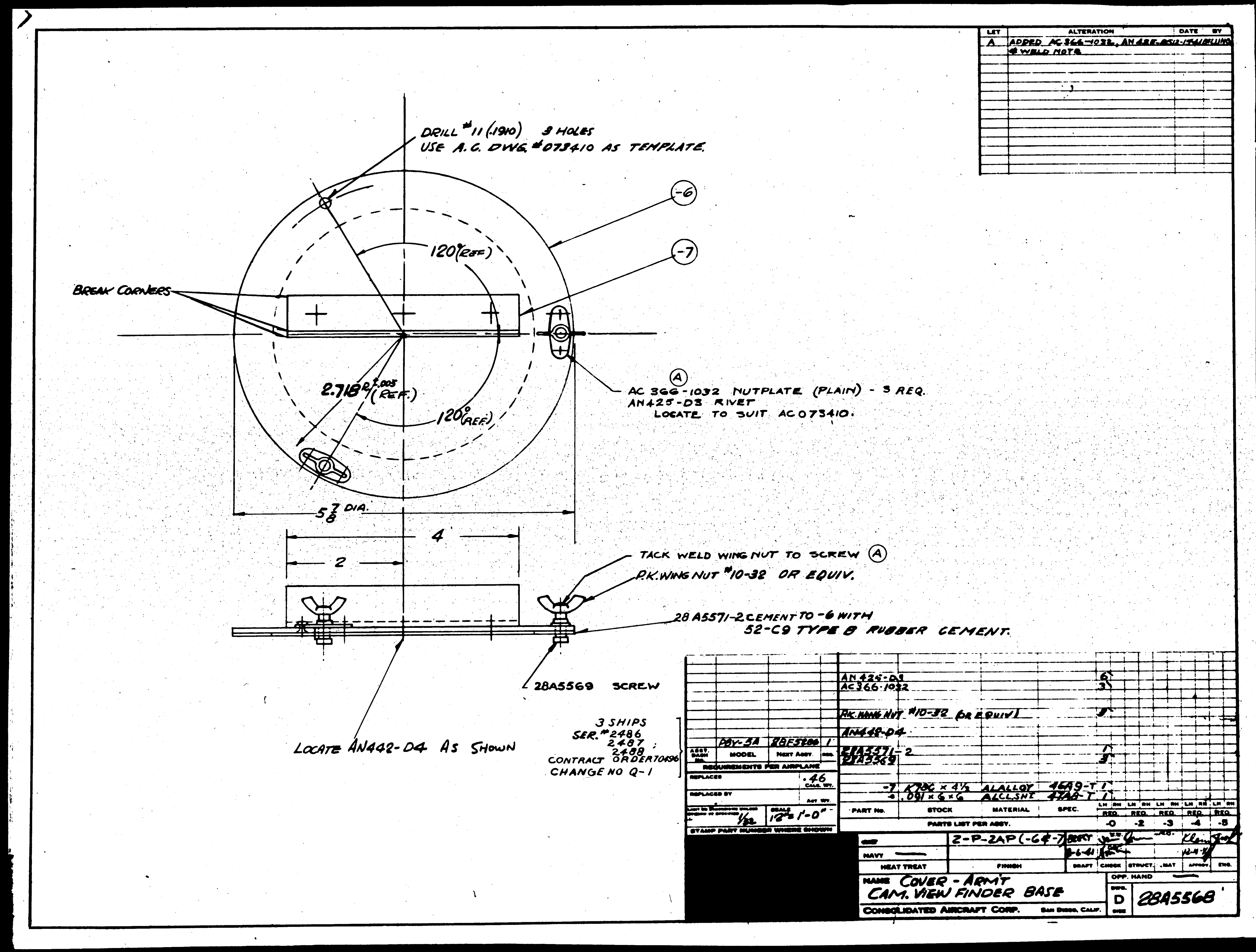


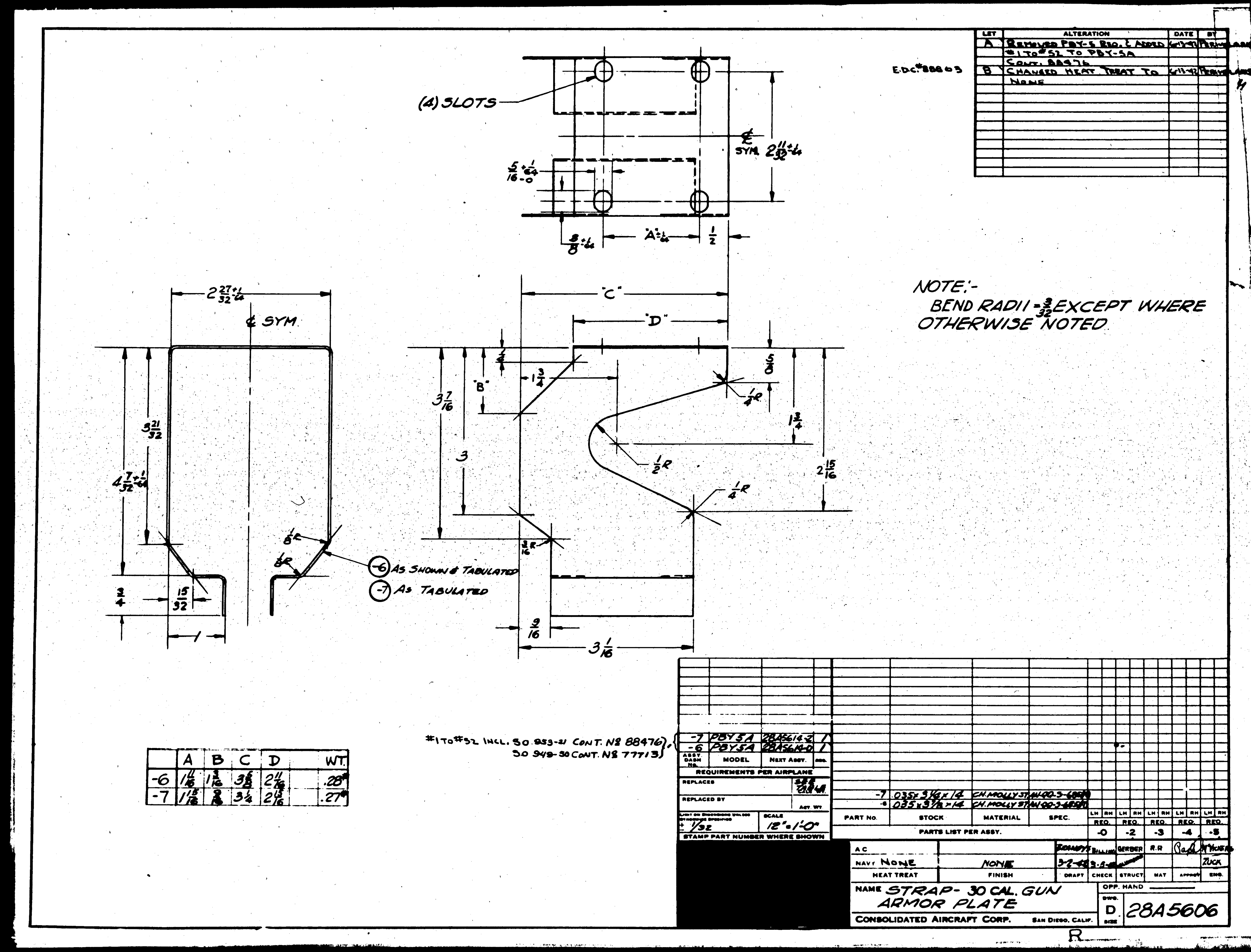


R 5/17/43

28A5217


LET | ALTERATION | DATE | BY
A | CHANGED TO -6L & -6R (WAS -6) | 4-30-41 | SULLIVAN
REMOVED 'GRIND SMOOTH' & ADDED f MARKS
ADD. 'CSK. 45° X 1/2 DIA. & CHG. TO 'JIG DRILL
3/8 (.375) TO MATCH 29A020-5.
CHG. SPEC. TO 46A1-4
(WAS 195T4) REMOVED NAVY SPEC.
ADD. FINISH SPEC.. ADD CALC. WT.
4 1/2 APPROX
3 1/4
2
1/2 R
1
1 1/4
1/2
3/8
Ⓐ JIG DRILL 3/8 (.375)-3 PLACES TO MATCH 29-A-020-5
SPOTFACE 3/4 DIA
1/2 R
Ⓐ (6L/6R) ROUGH CASTING
4 R
PART No. (OPP. SIDE)
COUNTER BORE 1/2 AS SHOWN
4 1/2
1/8 R
5/8
1/4 R
30°
5/32 R
1 5/8
25°
30°
3/4
1/4 R
90°
1/2
5/8
2 13/16
9/16
90°
SPOTFACE 1" DIA
2 PLACES
7/16-14N.C. 3THD 2 PLACES.
CSK. 45° X 1/2 DIA.
1/2
1/4 R
(REF) 1 1/2
3/8
(REF) 1 1/2
3/4
ALL RADII 1/8 EXCEPT WHERE NOTED
R | 28-5MC | 28A5574-0 | 4
L | 28-5MC | 28A5574-0 | 4
R | 28-5AMC | 28A5574-0 | 4
L | 28-5AMC | 28A5574-0 | 4
R | 28-5MN | 28A5574-2 | 4
L | 28-5MN | 28A5574-2 | 4
ASSY. DASH No. | MODEL | NEXT ASSY | REQ
REQUIREMENTS PER AIRPLANE
REPLACES
.68 Ⓐ CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
[redacted]
Ⓐ -6R -6L ROUGH CASTING | AL. ALLOY CASTING | 46A1-4
PART No. | STOCK | MATERIAL | SPEC. Ⓐ
LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY NONE Ⓐ
ZP-ZAL
HEAT TREAT | FINISH
3-12-41 S.A. SMITH
BRIGHT 3.15.
BATCH
DRAFT | CHECK | STRUCT | MAT | APPROV | ENG.
NAME CHOCK-ARM'T EXTERNAL BOMB RACK.
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP. HAND 28A5538-R
DWG. D SIZE
28A5538
R


LET
ALTERATION
DATE
BY
A
ADDED AC 366-1032, AN 425
WELD NOTE
DRILL #11 (.1910) 3 HOLES
USE A.C. DWG. #073410 AS TEMPLATE.
-6
-7
120° (REF.)
BREAK CORNERS
A
AC 366-1032 NUTPLATE (PLAIN) - 3 REQ.
AN425-D3 RIVET
LOCATE TO SUIT AC 073410.
2.718 ±.005 D (REF.)
120° (REF.)
5 7/8 DIA.
4
2
TACK WELD WING NUT TO SCREW A
P.K. WING NUT #10-32 OR EQUIV.
28 A5571-2 CEMENT TO -6 WITH
52-C9 TYPE B RUBBER CEMENT.
28A5569 SCREW
LOCATE AN442-D4 AS SHOWN
3 SHIPS
SER. #2486
2487
2488
CONTRACT ORDER 70496
CHANGE NO Q-1
PBY-5A
28F5206
1
ASSY. DASH No.
MODEL
NEXT ASSY.
REQUIREMENTS PER AIRPLANE
REPLACES
.46
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
AN 425-D3
6
AC366-1032
3
P.K. WING NUT #10-32 OR EQUIV.
3
AN442-D4
28A5571-2
1
28A5569
3
-7 K786 × 4½ AL ALLOY 46A9-T 1
-6 .091 × 6 × 6 ALCL SHT 47A8-T 1
PART No.
STOCK
MATERIAL
SPEC.
LH RH
REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
2-P-2AP (-6 & -7)
NAVY
HEAT TREAT
FINISH
DRAFT
CHECK
STRUCT.
MAT
APPROV.
ENG.
OPP. HAND
NAME COVER - ARM'T
CAM. VIEW FINDER BASE
DWG. SIZE
D
28A5568
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.



	A	B	C	D	WT.
-6	$1\frac{11}{16}$	$1\frac{3}{16}$	$3\frac{5}{8}$	$2\frac{11}{16}$	.28#
-7	$1\frac{15}{16}$	$\frac{9}{16}$	$3\frac{1}{4}$	$2\frac{15}{16}$	.27#

#1 TO #52 INCL. S.O. 853-21 CONT. Nº 88476), S.O. 849-50 CONT. Nº 77713

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
-7	PBY5A	28A5614-2	1
-6	PBY5A	28A5614-0	1

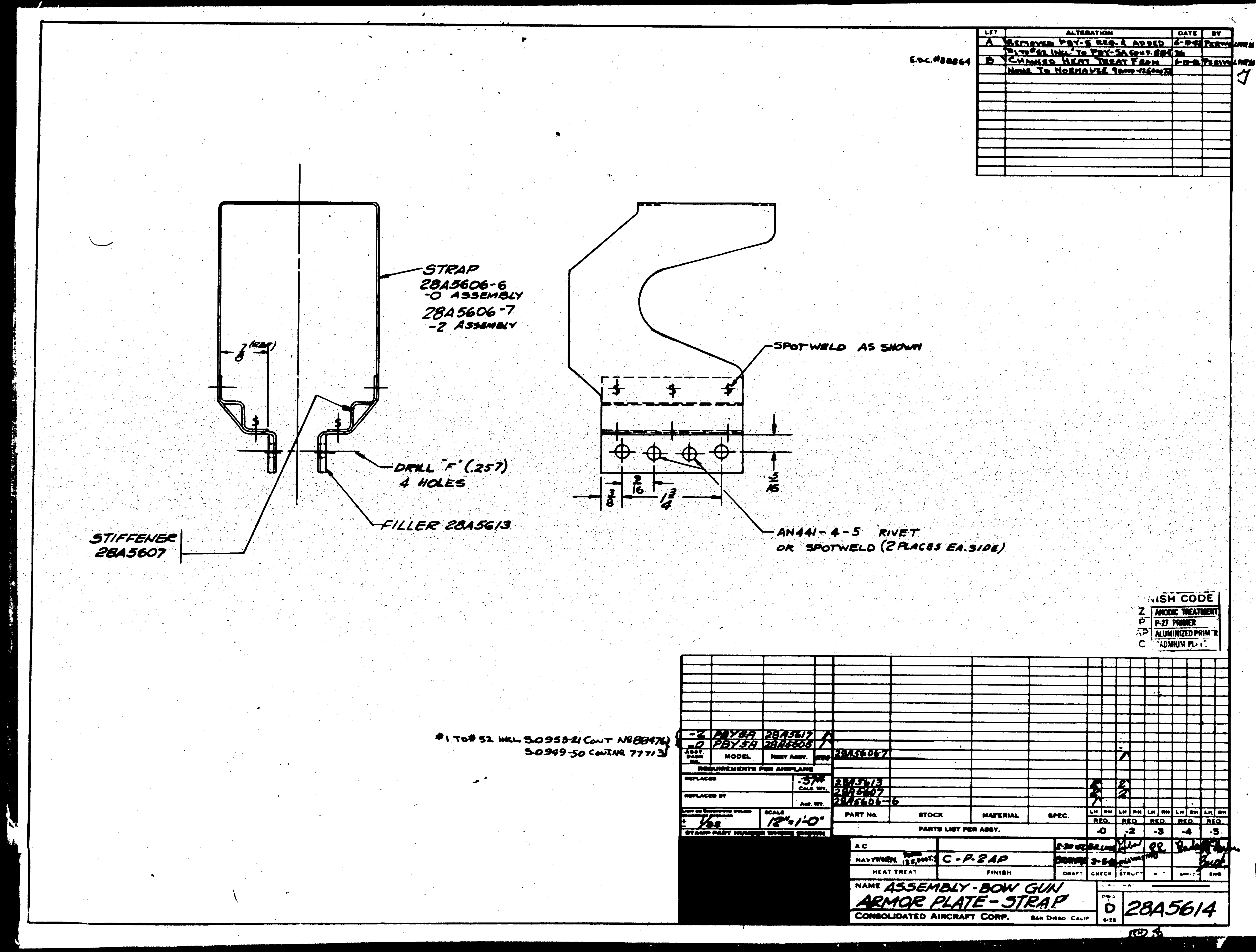
REQUIREMENTS PER AIRPLANE
REPLACES — SEE TABLE CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.
-7	.035 x 3 1/16 x 14	CH. MOLLY STL.	AN-QQ-S-685
-6	.035 x 3 1/16 x 14	CH. MOLLY STL.	AN-QQ-S-685

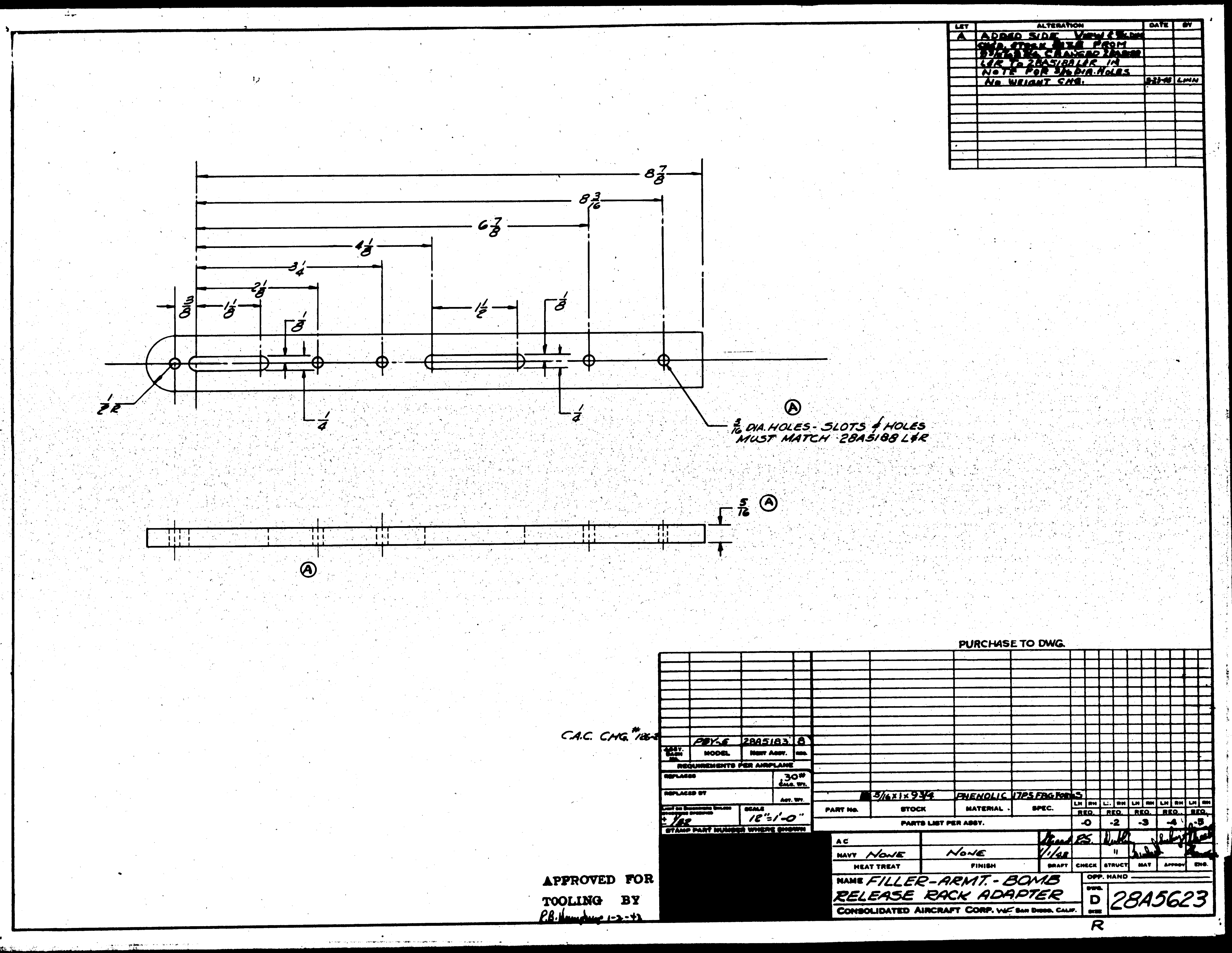
PARTS LIST PER ASSY. — LH RH REQ. -0, -2, -3, -4, -5

A C
NAVY NONE — NONE
HEAT TREAT — FINISH
DRAFT: ROLANDY 3-2-42 — CHECK: BILLING 3-5 — STRUCT: GERBER — MAT: R.R — APPROV. — ENG.: MCVICKERS, ZUCK

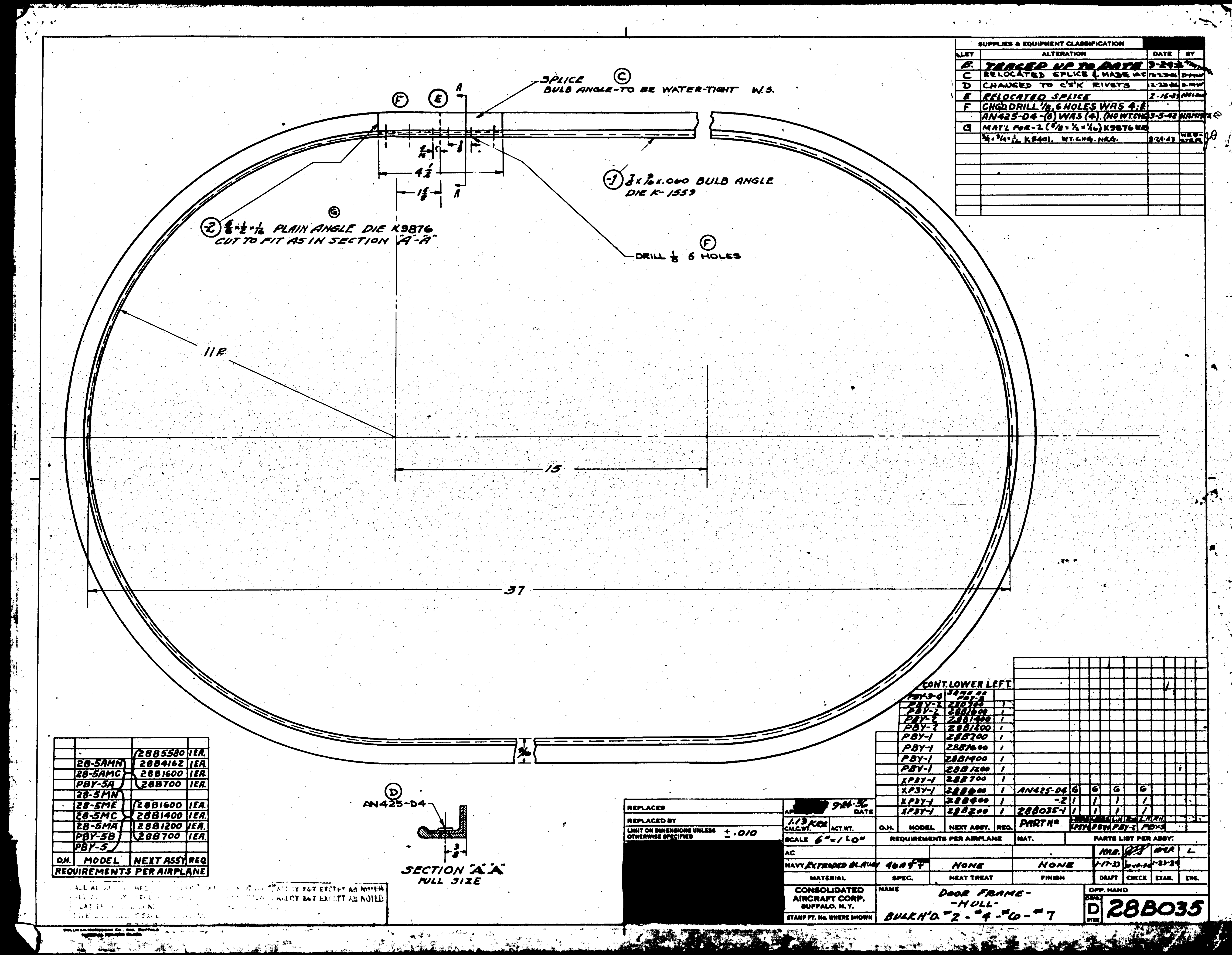
NAME STRAP- 30 CAL. GUN ARMOR PLATE
OPP. HAND
DWG. SIZE D 28A5606
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R



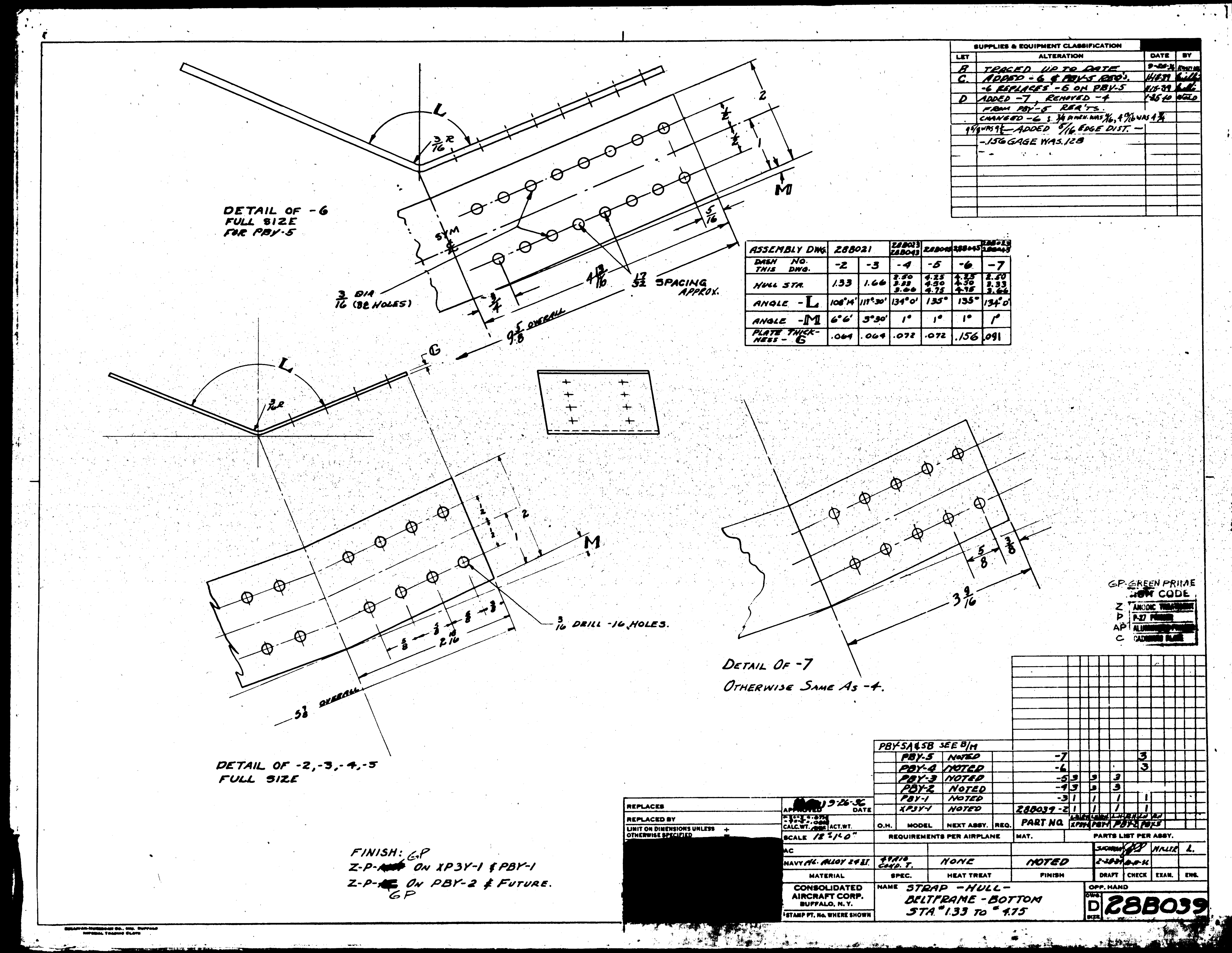
E.D.C. #88864
LET | ALTERATION | DATE | BY
A REMOVED PBY-5 REQ. & ADDED #1 TO #52 INCL. TO PBY-5A CONT. 88976
B CHANGED HEAT TREAT FROM NONE TO NORMALIZE
STRAP
28A5606-6
-0 ASSEMBLY
28A5606-7
-2 ASSEMBLY
SPOTWELD AS SHOWN
DRILL "F" (.257)
4 HOLES
FILLER 28A5613
STIFFENER
28A5607
AN441-4-5 RIVET
OR SPOTWELD (2 PLACES EA. SIDE)
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
#1 TO #52 INCL. 5.0953-21 CONT. No 88976
5.0949-50 CONT No 77713
-2 PBY5A 28A5617
-0 PBY5A 28A5608
ASSY. DASH No. | MODEL | NEXT ASSY.
REQUIREMENTS PER AIRPLANE
REPLACES
REPLACED BY
CALC. WT.
ACT. WT.
SCALE 12"=1'-0"
STAMP PART NUMBER WHERE SHOWN
28A56067
28A5613
28A5607
28A5606-6
PART No. | STOCK | MATERIAL | SPEC.
PARTS LIST PER ASSY.
LH RH REQ. -0 -2 -3 -4 -5
HEAT TREAT | FINISH C-P-2AP
DRAFT | CHECK | STRUCT.
NAME ASSEMBLY-BOW GUN ARMOR PLATE-STRAP
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
D 28A5614

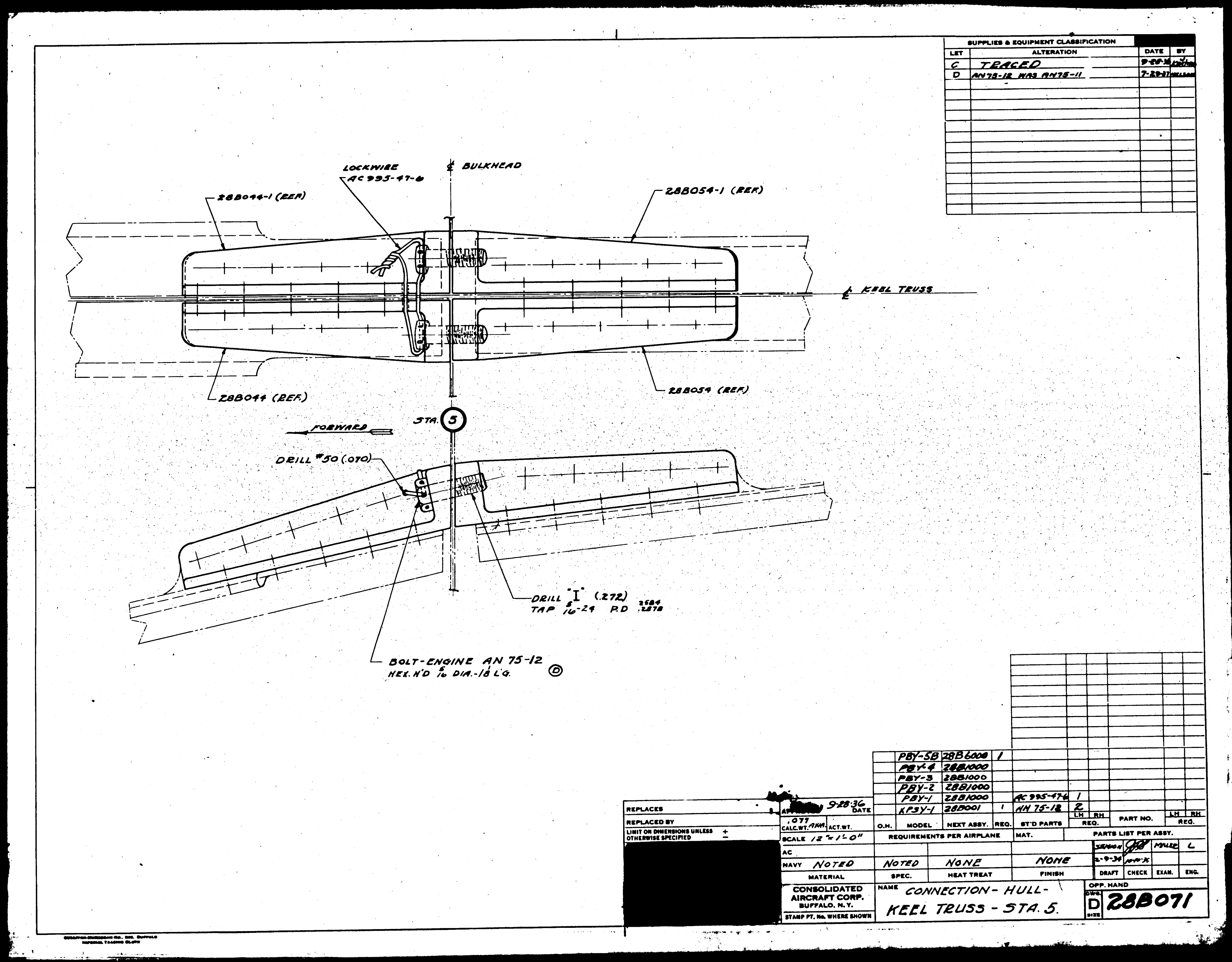


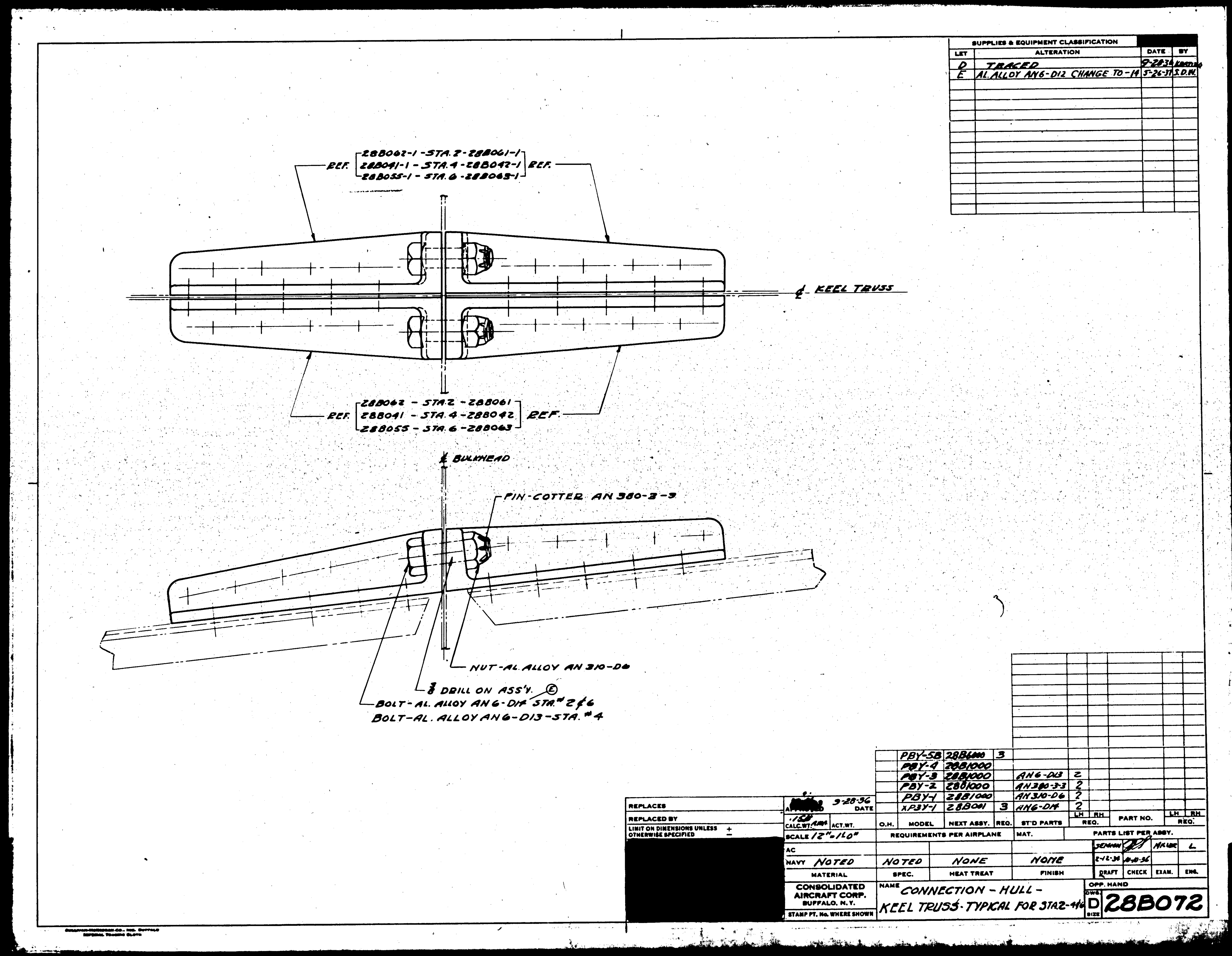
LET
ALTERATION
DATE
BY
A
ADDED SIDE VIEW
NOTE FOR 3/16 DIA. HOLES
NO WEIGHT CHG.
LWN
8 7/8
8 3/16
6 7/8
4 1/8
3 1/4
2 1/8
1 1/8
3/8
1/8
1 1/2
1/8
1/4
1/4
1/2 R
A
3/16 DIA. HOLES - SLOTS & HOLES
MUST MATCH 28A5188 L&R
5/16
A
A
PURCHASE TO DWG.
C.A.C. CHG.
PBY-6
28A5183
8
MODEL
NEXT ASSY.
REQUIREMENTS PER AIRPLANE
REPLACES
30#
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
12"=1'-0"
STAMP PART NUMBER WHERE SHOWN
5/16 x 1 x 9 3/4
PHENOLIC
PART No.
STOCK
MATERIAL
SPEC.
LH
RH
REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
AC
NAVY NONE
NONE
HEAT TREAT
FINISH
DRAFT
CHECK
STRUCT
MAT
APPROV
ENG.
APPROVED FOR
TOOLING BY
NAME FILLER-ARMT.-BOMB
RELEASE RACK ADAPTER
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP. HAND
DWG.
D
SIZE
28A5623
R



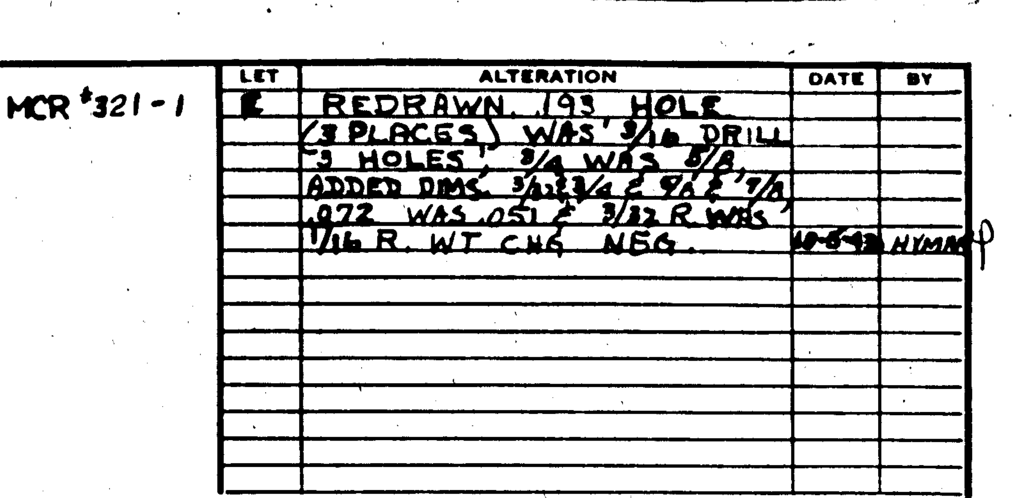
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B TRACED UP TO DATE
C RELOCATED SPLICE & MADE W.T.
D CHANGED TO C'S'K RIVETS
E RELOCATED SPLICE
F CHGD DRILL 1/8, 6 HOLES WAS 4; E
AN425-D4-(6) WAS (4). (NO WT.CHG) 3-5-42
G MAT'L FOR -2 (5/8 x 1/2 x 1/16) K9876 WAS 3/4 x 3/4 x 1/16 K5401. WT.CHG. NEG. 8-24-43
SPLICE
BULB ANGLE - TO BE WATER-TIGHT W.S.
-1 3/8 x 9/16 x .060 BULB ANGLE DIE K-1559
-2 5/8 x 1/2 x 1/16 PLAIN ANGLE DIE K9876
CUT TO FIT AS IN SECTION "A"-"A"
DRILL 1/8 6 HOLES
11 R.
15
37
4 1/2
1 5/8
SECTION "A-A" FULL SIZE
AN425-D4
CONT. LOWER LEFT
O.H. | MODEL | NEXT ASSY | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
[redacted] 9-24-36 DATE
1.13 KGS CALC.WT.
SCALE 6" = 1'-0"
NAVY EXTRUDED BL.ALUM 46A9 F
MATERIAL | SPEC. | HEAT TREAT | FINISH
NONE
NONE
DRAFT | CHECK | EXAM. | ENG.
PARTS LIST PER ASSY.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME DOOR FRAME - HULL - BULKH'D. #2 - #4 - #6 - #7
D 28B035


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B | TRACED UP TO DATE | 9-26-36
C. | ADDED -6 & PBY-5 REQ'S.
-6 REPLACES -6 ON PBY-5
D | ADDED -7, REMOVED -4 FROM PBY-5 REQ'TS.
CHANGED -6 : 3/4 DIMEN. WAS 11/16, 4 9/16 WAS 4 3/4
9 5/8 WAS 9 1/2 — ADDED 5/16 EDGE DIST. —
-.156 GAGE WAS .128
DETAIL OF -6
FULL SIZE
FOR PBY-5
SYM
3/16 DIA
3/16 (32 HOLES)
17/32 SPACING APPROX.
9 5/8 OVERALL
G
L
M
ASSEMBLY DWG. | 28B021 | | 28B023 28B043 | 28B045 | 28B045 | 28B023 28B045
DASH NO. THIS DWG. | -2 | -3 | -4 | -5 | -6 | -7
HULL STA. | 1.33 | 1.66 | 2.50 3.33 3.66 | 4.25 4.50 4.75 | 4.25 4.50 4.75 | 2.50 3.33 3.66
ANGLE -L | 108°14' | 119°30' | 134°0' | 135° | 135° | 134°0'
ANGLE -M | 6°6' | 3°30' | 1° | 1° | 1° | 1°
PLATE THICKNESS - G | .064 | .064 | .072 | .072 | .156 | .091
3/16 DRILL -16 HOLES.
5 3/8 OVERALL
DETAIL OF -2, -3, -4, -5
FULL SIZE
DETAIL OF -7
OTHERWISE SAME AS -4.
GP-GREEN PRIME
FINISH: GP
Z-P- ON XP3Y-1 & PBY-1
Z-P- ON PBY-2 & FUTURE.
PBY-5A & 5B SEE B/M
PBY-5 NOTED -7
PBY-4 NOTED -6
PBY-3 NOTED -5
PBY-2 NOTED -4
PBY-1 NOTED -3
XP3Y-1 NOTED 28B039-2
O.H. | MODEL | NEXT ASSY. | REQ. | PART NO.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
[redacted]
APPROVED 9-26-36 DATE
CALC. WT. ACT. WT.
SCALE 12"=1'0"
NAVY AL. ALLOY 24ST
NONE
NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME STRAP -HULL- BELTFRAME -BOTTOM STA. 1.33 TO 4.75
OPP. HAND
DWG. SIZE D
28B039

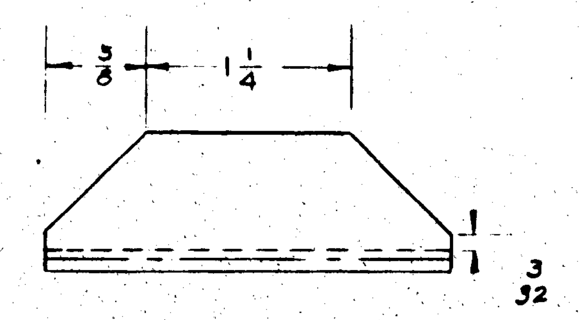

SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C | TRACED | 9-28-36
D | AN75-12 WAS AN75-11 | 7-29-37
LOCKWIRE AC995-47-6
℄ BULKHEAD
28B044-1 (REF.)
28B054-1 (REF.)
℄ KEEL TRUSS
28B044 (REF.)
28B054 (REF.)
STA. 5
FORWARD
DRILL #50 (.070)
DRILL "I" (.272)
TAP 5/16-24 P.D. .2584 .2878
BOLT-ENGINE AN 75-12
HEX. H'D 5/16 DIA.-1 1/8 L'G.
D
PBY-5B 28B6000 1
PBY-4 28B1000
PBY-3 28B1000
PBY-2 28B1000
PBY-1 28B1000
XP3Y-1 28B001 1
AC995-47-6 1
AN 75-12 2
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED +
[redacted]
9-28-36 DATE
.077 CALC.WT. ACT.WT.
SCALE 12" = 1'-0"
AC
NAVY NOTED
MATERIAL
NOTED
SPEC.
NONE
HEAT TREAT
NONE
FINISH
DRAFT CHECK EXAM. ENG.
2-9-36
OPP. HAND
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME CONNECTION-HULL-KEEL TRUSS - STA. 5.
DWG. D SIZE 28B071


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
D | TRACED | 9-28-36
E | AL. ALLOY AN6-D12 CHANGE TO -14 | 5-26-37 | S.D.W.
REF. 28B062-1 - STA. 2 - 28B061-1
28B041-1 - STA. 4 - 28B042-1 REF.
28B055-1 - STA. 6 - 28B063-1
℄ KEEL TRUSS
REF. 28B062 - STA. 2 - 28B061
28B041 - STA. 4 - 28B042 REF.
28B055 - STA. 6 - 28B063
℄ BULKHEAD
PIN-COTTER AN 380-3-3
NUT-AL. ALLOY AN 310-D6
3/8 DRILL ON ASS'Y. (E)
BOLT-AL. ALLOY AN6-D14 STA.# 2 & 6
BOLT-AL. ALLOY AN6-D13-STA. #4
PBY-5B 28B6000 3
PBY-4 28B1000
PBY-3 28B1000 AN6-D13 2
PBY-2 28B1000 AN380-3-3 2
PBY-1 28B1000 AN310-D6 2
XP3Y-1 28B001 3 AN6-D14 2
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
[redacted]
APPROVED 9-28-36 DATE
CALC. WT. ACT. WT.
SCALE 12"=1'0"
AC
NAVY NOTED NOTED NONE NONE
MATERIAL SPEC. HEAT TREAT FINISH
DRAFT CHECK EXAM. ENG.
2-12-36 10-10-36
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME CONNECTION - HULL - KEEL TRUSS - TYPICAL FOR STA 2-4-6
OPP. HAND
DWG. SIZE D 28B072

MCR #321-1

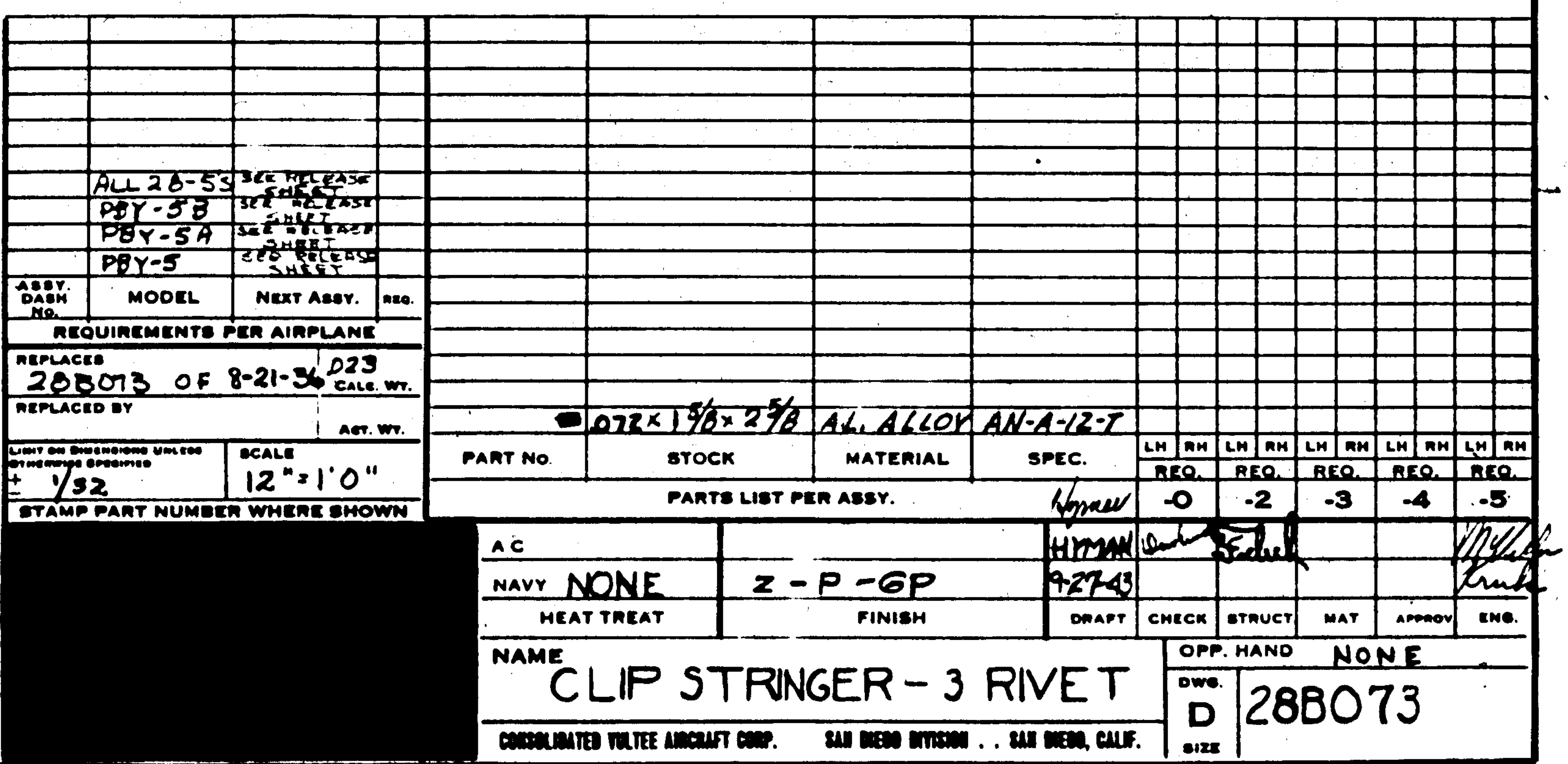


LET	ALTERATION	DATE	BY
E	REDRAWN. .193 HOLE (3 PLACES) WAS 3/16 DRILL "3 HOLES" 3/4 WAS 5/8 ADDED DIMS. 3/32, 3/4 & 7/16 & 7/8 .072 WAS .051 & 3/32 R WAS 1/16 R. WT CHG NEG.	10-5-43	HYMAN



.193 DIA. (3 HOLES)

APPROVED FOR TOOLING BY



ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	ALL 28-5S	SEE RELEASE SHEET	
	PBY-5B	SEE RELEASE SHEET	
	PBY-5A	SEE RELEASE SHEET	
	PBY-5	SEE RELEASE SHEET	

REQUIREMENTS PER AIRPLANE

REPLACES 28B073 OF 8-21-36 — CALC. WT. .023

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.
	.072 x 1 5/8 x 2 5/8	AL. ALLOY	AN-A-12-T

PARTS LIST PER ASSY.

LH RH REQ.	LH RH REQ.	LH RH REQ.	LH RH REQ.	LH RH REQ.
-0	-2	-3	-4	-5

[redacted]

A C

NAVY NONE — HEAT TREAT

Z-P-6P — FINISH

DRAFT: HYMAN 9-27-43 | CHECK | STRUCT | MAT | APPROV | ENG.

NAME: CLIP STRINGER - 3 RIVET

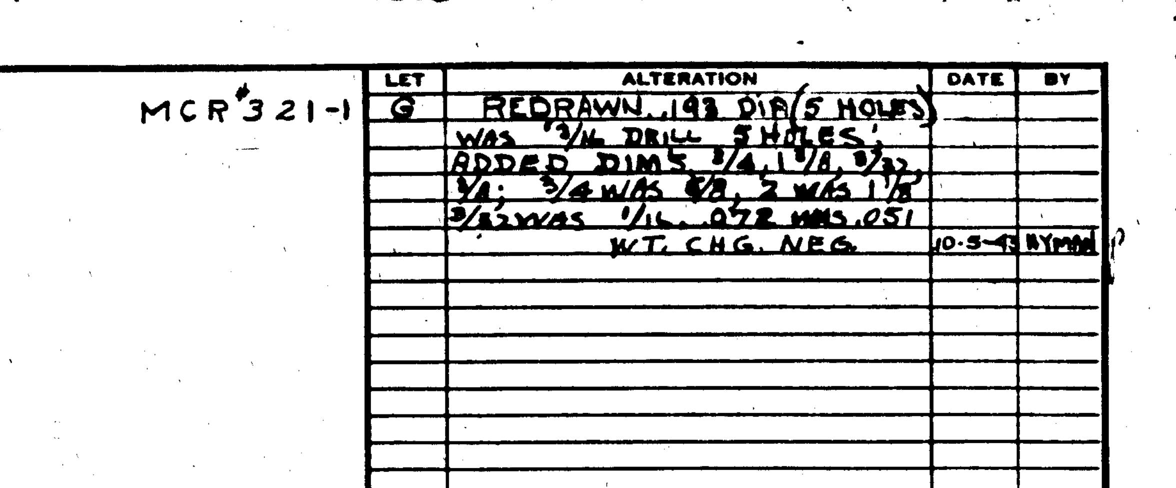
OPP. HAND: NONE

DWG. SIZE: D — 28B073

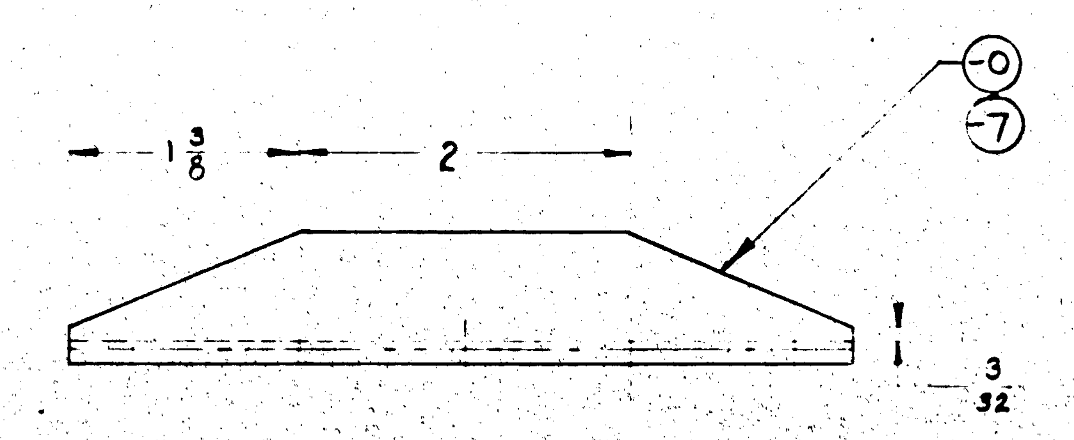
CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.

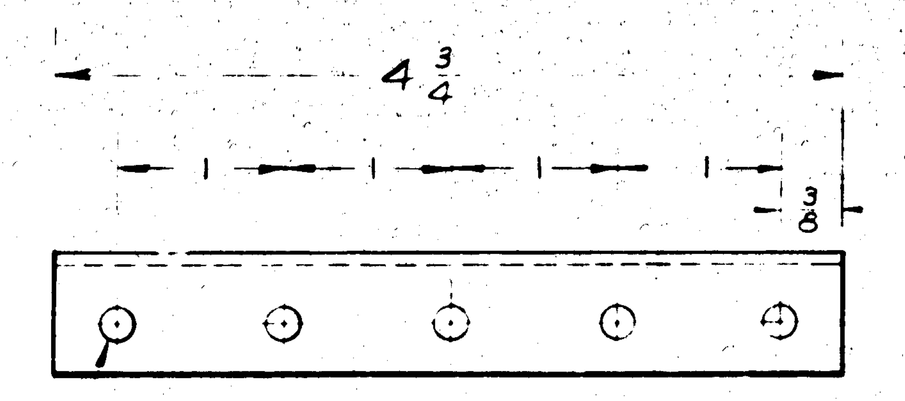
28B073

MCR#321-1



LET	ALTERATION	DATE	BY
G	REDRAWN, .193 DIA (5 HOLES) WAS 3/16 DRILL 5 HOLES; ADDED DIMS 3/4, 1 1/8, 3/32, 3/8; 3/4 WAS 5/8, 2 WAS 1 7/8, 3/32 WAS 1/16, .072 WAS .051 WT. CHG. NEG.	10-5-43	HYMAN





3/4

3/4

1 7/16

3/32 R

96 1/2°

.193 DIA. (5 HOLES)
IN -0 ONLY

APPROVED FOR
TOOLING BY
M. [illegible]

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	A.L28-5S	SEE RELEASE SHEET	
	PBY-5B	SEE RELEASE SHEET	
	PBY-5A	SEE RELEASE SHEET	
	PBY-5	SEE RELEASE SHEET	

REQUIREMENTS PER AIRPLANE

REPLACES 28B075 OF 8-21-36 — .044 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.
-7	.072 x 1 1/2 x 4 3/4	AL. ALLOY	AN-A-12-T
-0	.072 x 1 1/2 x 4 3/4	AL. ALLOY	AN-A-12-T

PARTS LIST PER ASSY. — REQ. (LH / RH) -0, -2, -3, -4, -5

[redacted]

AC		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.
NAVY NONE	Z-P-GP	HYMAN 9-24-43	[signature]	[signature]		[initials]	[signature]
HEAT TREAT	FINISH						

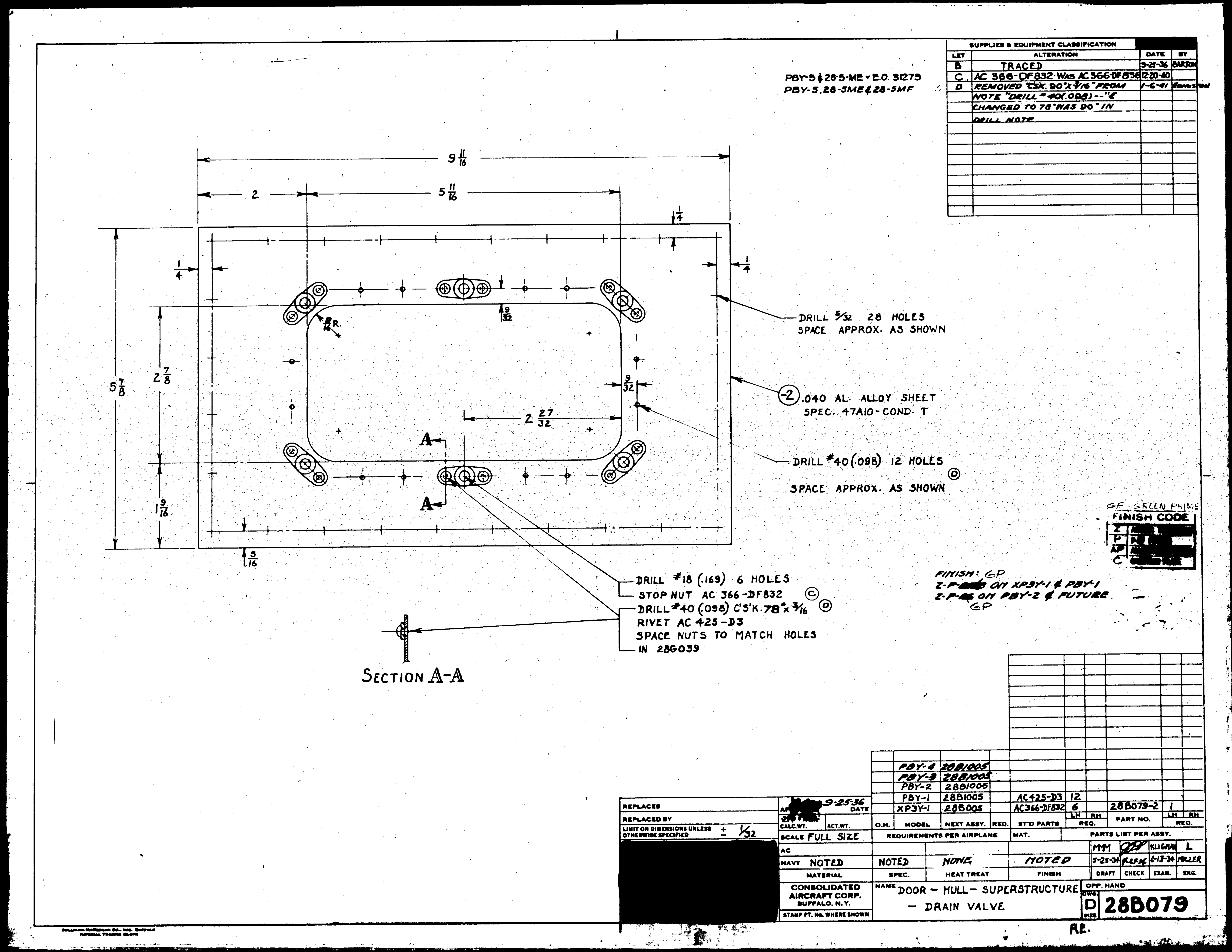
NAME: CLIP STRINGER - 5 RIVET

OPP. HAND: NONE

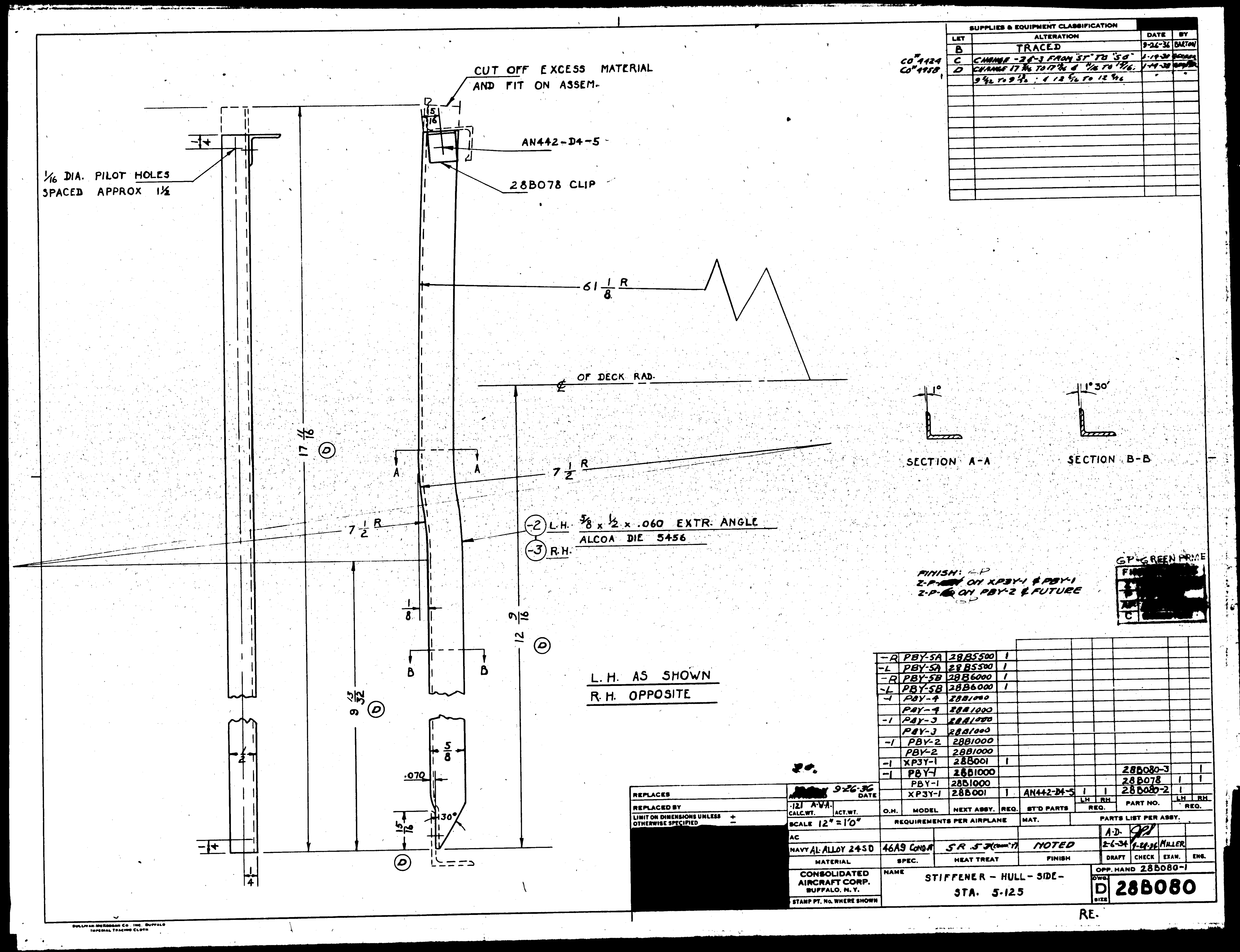
DWG. SIZE: D — 28B075

CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.

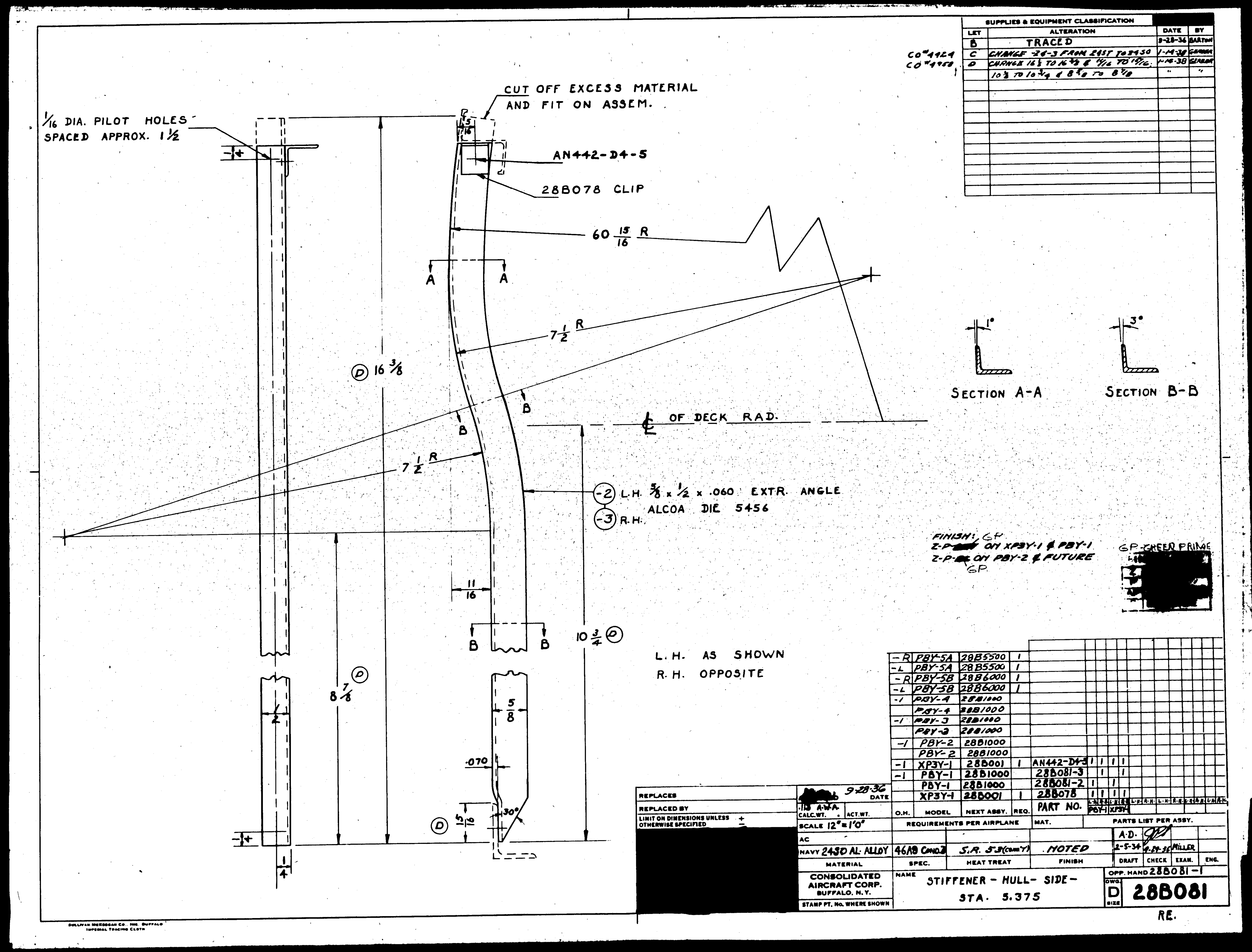
28B075

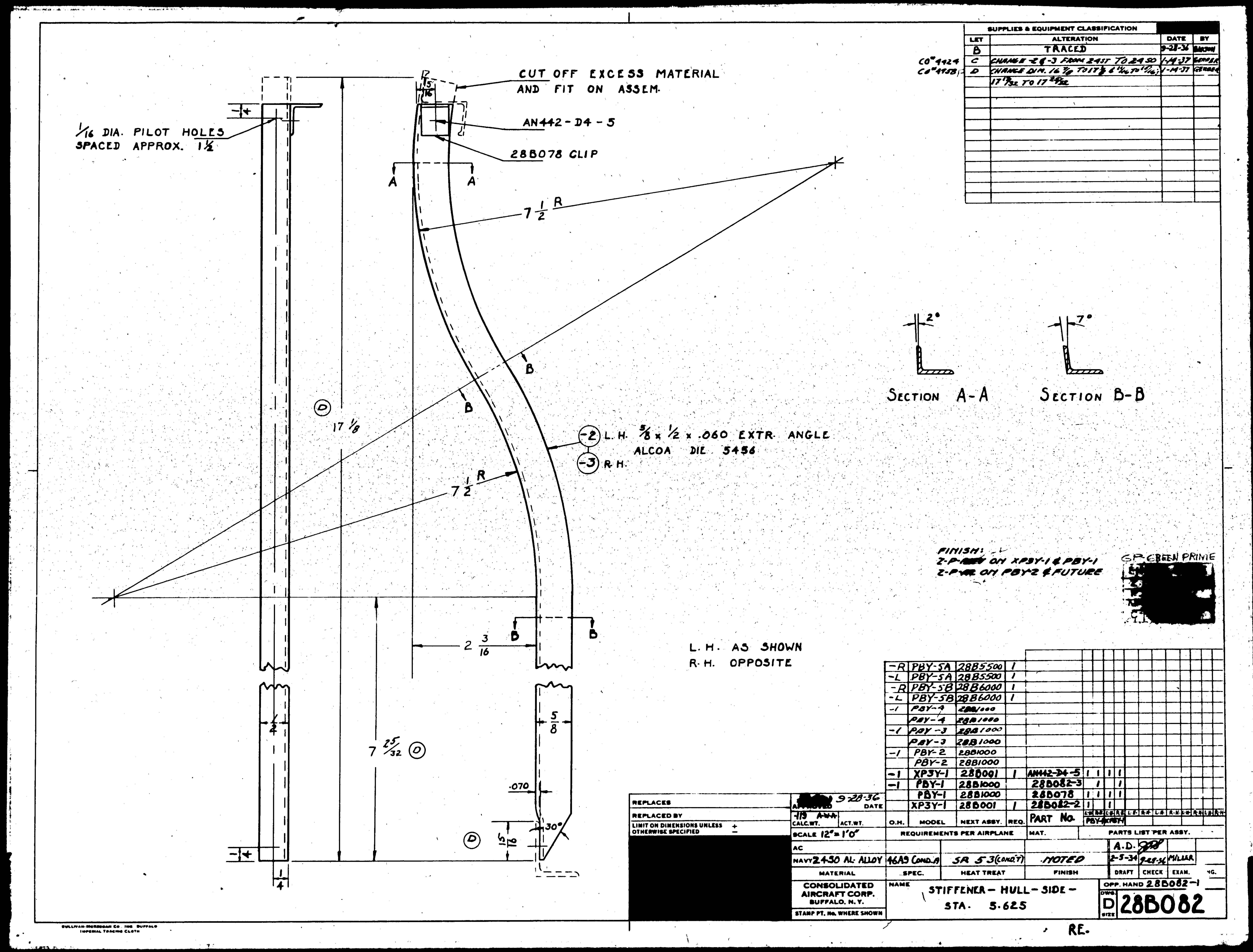


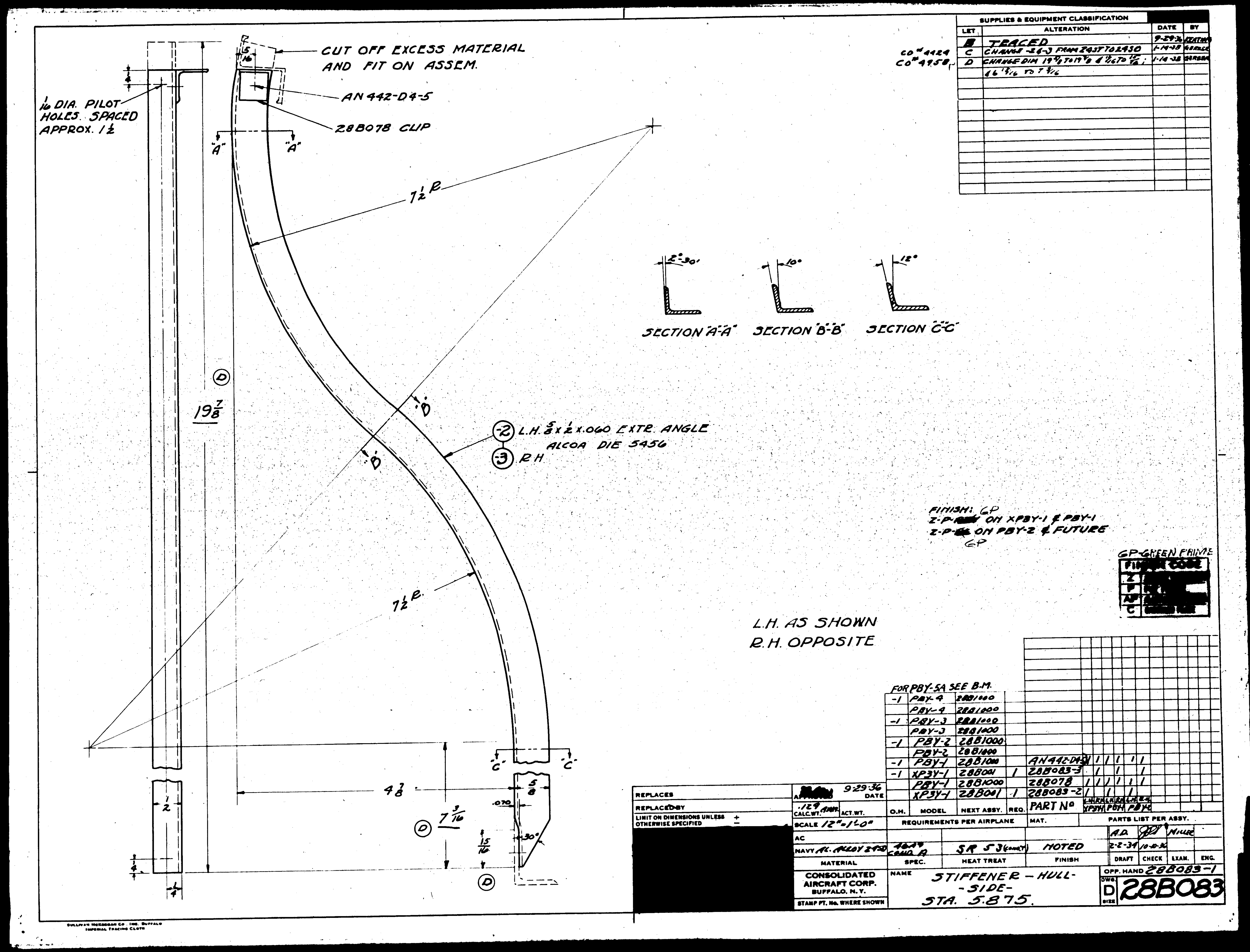
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B | TRACED | 9-25-36 | BARTON
C | AC 366-DF832 WAS AC366-DF836 | 12-20-40
D | REMOVED "CSK. 90° X 3/16" FROM NOTE "DRILL #40(.098)--" & CHANGED TO 78° WAS 90° IN DRILL NOTE | 1-6-41
PBY-5 & 28-5-ME - E.O. 31275
PBY-5, 28-5ME & 28-5MF
9 11/16
2
5 11/16
1/4
5 7/8
2 7/8
1 9/16
9/32
2 27/32
5/16
R.
A
A
DRILL 5/32 28 HOLES SPACE APPROX. AS SHOWN
(2) .040 AL. ALLOY SHEET SPEC. 47A10-COND. T
DRILL #40 (.098) 12 HOLES (D) SPACE APPROX. AS SHOWN
DRILL #18 (.169) 6 HOLES
STOP NUT AC 366-DF832 (C)
DRILL #40 (.098) C'S'K. 78° x 3/16 (D)
RIVET AC 425-D3
SPACE NUTS TO MATCH HOLES IN 28G039
SECTION A-A
GP - GREEN PRIME
FINISH CODE
Z
P
AP
C
FINISH: GP
Z-P-[redacted] ON XP3Y-1 & PBY-1
Z-P-[redacted] ON PBY-2 & FUTURE
GP
PBY-4 28B1005
PBY-3 28B1005
PBY-2 28B1005
PBY-1 28B1005
XP3Y-1 28B005
AC425-D3 12
AC366-DF832 6
28B079-2 1
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
AP [redacted] 9-25-36 DATE
CALC.WT. ACT.WT.
SCALE FULL SIZE
[redacted]
AC
NAVY NOTED
MATERIAL
NOTED SPEC.
NONE HEAT TREAT
NOTED FINISH
MMM | KLIGMAN | L
5-25-34 | 6-13-34 | MILLER
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME DOOR - HULL - SUPERSTRUCTURE - DRAIN VALVE
OPP. HAND
DWG. D SIZE
28B079
RE.



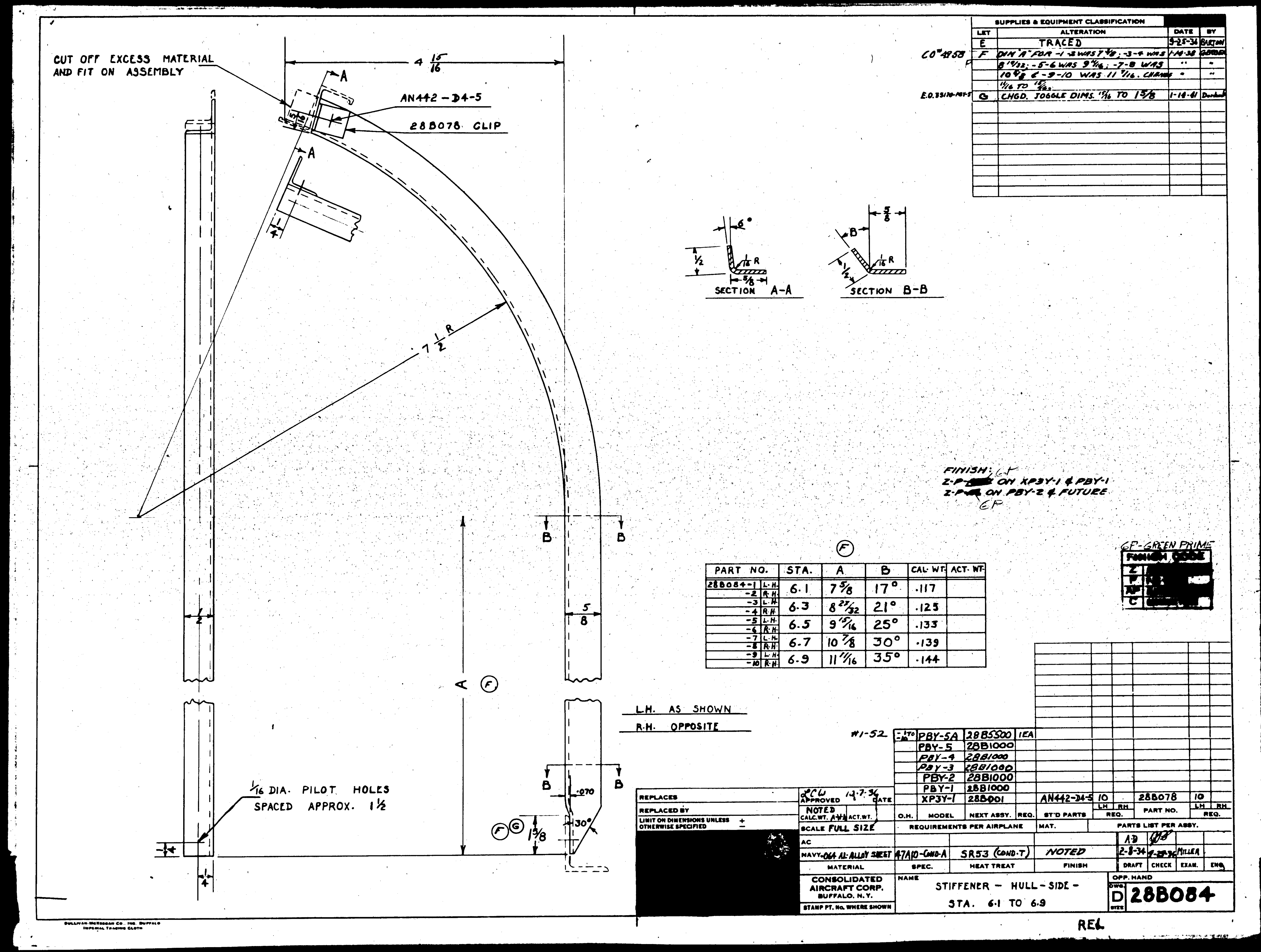
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B | TRACED | 9-26-36 | BARTON
CO# 4424 C | CHANGE -2 & -3 FROM "ST" TO "SO" | 1-19-38
CO# 4958 D | CHANGE 17 ¾ TO 17 11/16 & 11/16 TO 19/16; 9 5/32 TO 9 13/32 ; & 12 5/16 TO 12 9/16 | 1-4-38
CUT OFF EXCESS MATERIAL AND FIT ON ASSEM.
5/16
AN442-D4-5
28B078 CLIP
1/16 DIA. PILOT HOLES SPACED APPROX 1½
61 1/8 R
℄ OF DECK RAD.
17 11/16 (D)
A A
7 1/2 R
7 1/2 R
-2 L.H. 5/8 x 1/2 x .060 EXTR. ANGLE
-3 R.H. ALCOA DIE 5456
1/8
12 9/16 (D)
9 13/32 (D)
B B
L.H. AS SHOWN
R.H. OPPOSITE
1/2
5/8
.070
15/16 (D)
30°
SECTION A-A
SECTION B-B
1°
1°30'
FINISH: GP
Z-P-[redacted] ON XP3Y-1 & PBY-1
Z-P-[redacted] ON PBY-2 & FUTURE
GP-GREEN PRIME
[redacted]
-R PBY-5A 28B5500 1
-L PBY-5A 28B5500 1
-R PBY-5B 28B6000 1
-L PBY-5B 28B6000 1
-1 PBY-4 28B1000
PBY-4 28B1000
-1 PBY-3 28B1000
PBY-3 28B1000
-1 PBY-2 28B1000
PBY-2 28B1000
-1 XP3Y-1 28B001 1
-1 PBY-1 28B1000 | 28B080-3 | 1
PBY-1 28B1000 | 28B078 | 1 | 1
XP3Y-1 28B001 1 | AN442-D4-5 | 1 | 1 | 28B080-2 | 1
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | REQ. LH RH | PART NO. | REQ. LH RH
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
9-26-36 DATE
.121 A.V.A. CALC.WT. ACT.WT.
SCALE 12" = 1'0"
AC
NAVY AL. ALLOY 24SO | 46A9 COND.A | SR .5 | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
A-D- | 2-6-34 | 9-24-36 | MILLER
DRAFT | CHECK | EXAM. | ENG.
OPP. HAND 28B080-1
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
[redacted]
NAME STIFFENER - HULL - SIDE - STA. 5-125
DWG. D SIZE 28B080
RE.
SULLIVAN-McKEEGAN CO. INC. BUFFALO IMPERIAL TRACING CLOTH


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B | TRACED | 9-28-36 | BARTON
C | CHANGE -26-3 FROM 24ST TO 2450 | 1-14-38
D | CHANGE 16 1/2 TO 16 3/8 & 10 7/8 TO 10 3/4 & 8 5/8 TO 8 7/8 | 1-14-38
CUT OFF EXCESS MATERIAL AND FIT ON ASSEM.
1/16 DIA. PILOT HOLES SPACED APPROX. 1 1/2
AN442-D4-5
28B078 CLIP
60 15/16 R
A A
7 1/2 R
D 16 3/8
B B
℄ OF DECK RAD.
7 1/2 R
-2 L.H. 5/8 x 1/2 x .060 EXTR. ANGLE ALCOA DIE 5456
-3 R.H.
11/16
B B
10 3/4 D
8 7/8 D
1/2
5/8
.070
30°
D 5/16
1/4
1/4
1/4
SECTION A-A
SECTION B-B
1°
3°
FINISH: GP
Z-P ON XP3Y-1 & PBY-1
Z-P ON PBY-2 & FUTURE
GP-GREEN PRIME
[redacted]
L.H. AS SHOWN
R.H. OPPOSITE
-R | PBY-5A | 28B5500 | 1
-L | PBY-5A | 28B5500 | 1
-R | PBY-5B | 28B6000 | 1
-L | PBY-5B | 28B6000 | 1
-1 | PBY-4 | 28B1000
PBY-4 | 28B1000
-1 | PBY-3 | 28B1000
PBY-2 | 28B1000
-1 | PBY-2 | 28B1000
PBY-2 | 28B1000
-1 | XP3Y-1 | 28B001 | 1 | AN442-D4-5 | 1 | 1 | 1 | 1
-1 | PBY-1 | 28B1000 | 28B081-3 | 1 | 1
PBY-1 | 28B1000 | 28B081-2 | 1 | 1
XP3Y-1 | 28B001 | 1 | 28B078 | 1 | 1 | 1 | 1
O.H. | MODEL | NEXT ASSY. | REQ. | PART NO. | PBY-1 | XP3Y-1
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED + -
[redacted]
[redacted] 9-28-36 DATE
.113 A.W.A. CALC.WT. ACT.WT.
SCALE 12" = 1'0"
AC
NAVY 2430 AL. ALLOY | 46A9 COND. | S.R. 53 (CON'T) | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
A.D.
2-5-34 | 9-29-36 | MILLER
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME STIFFENER - HULL- SIDE- STA. 5.375
OPP. HAND 28B081-1
DWG. D SIZE 28B081
RE.
SULLIVAN McKEOGAN CO. INC. BUFFALO IMPERIAL TRACING CLOTH


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B | TRACED | 9-28-36 | BACON
C | CHANGE -2 & -3 FROM 24ST TO 24SO | 1-14-37 | GERBER
D | CHANGE DIM. 16 7/8 TO 17 1/8 & 6 1/16 TO 11/16; 17 13/32 TO 17 25/32 | 1-14-37 | GERBER
CO # 4424
CO # 4458
CUT OFF EXCESS MATERIAL
AND FIT ON ASSEM.
AN442-D4-5
28B078 CLIP
1/16 DIA. PILOT HOLES
SPACED APPROX. 1 1/2
A
A
7 1/2 R
B
B
17 1/8
D
-2 L.H. 5/8 x 1/2 x .060 EXTR. ANGLE
ALCOA DIE 5456
-3 R.H.
7 1/2 R
2 3/16
B
B
1/2
5/8
7 25/32
.070
30°
15/16
1/4
1/4
1/4
5/16
SECTION A-A
2°
SECTION B-B
7°
FINISH:
Z-P- ON XP3Y-1 & PBY-1
Z-P- ON PBY-2 & FUTURE
GP GREEN PRIME
[redacted]
L.H. AS SHOWN
R.H. OPPOSITE
-R | PBY-5A | 28B5500 | 1
-L | PBY-5A | 28B5500 | 1
-R | PBY-5B | 28B6000 | 1
-L | PBY-5B | 28B6000 | 1
-1 | PBY-4 | 28B1000
PBY-4 | 28B1000
-1 | PBY-3 | 28B1000
PBY-3 | 28B1000
-1 | PBY-2 | 28B1000
PBY-2 | 28B1000
-1 | XP3Y-1 | 28B001 | 1 | AN442-D4-5 | 1 | 1 | 1 | 1
-1 | PBY-1 | 28B1000 | 28B082-3 | 1 | 1
PBY-1 | 28B1000 | 28B078 | 1 | 1 | 1 | 1
XP3Y-1 | 28B001 | 1 | 28B082-2 | 1 | 1
O.H. | MODEL | NEXT ASSY. | REQ. | PART No.
L.H. R.H. L.H. R.H. L.H. R.H. L.H. R.H. L.H. R.H. L.H. R.H.
PBY-1 XP3Y-1
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED + -
[redacted]
APPROVED 9-28-36 DATE
.119 A.W.A. CALC. WT. ACT. WT.
SCALE 12" = 1'0"
AC
NAVY 24SO AL. ALLOY | 46A9 COND. A | SR 53 (COND. T) | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
A.D.
2-5-34 | 9-28-36 | MILLER
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME STIFFENER - HULL - SIDE -
STA. 5.625
OPP. HAND 28B082-1
DWG. SIZE D 28B082
RE.
SULLIVAN-McKEEGAN Co. INC. BUFFALO
IMPERIAL TRACING CLOTH



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B TRACED 9-29-36
C CHANGE -26-3 FROM 28ST TO 24SO 1-14-38
D CHANGE DIM 19 9/16 TO 19 7/8 & 1/2 TO 11/16; 6 13/16 TO 7 3/16 1-14-38
CO# 4429
CO# 4958
CUT OFF EXCESS MATERIAL AND FIT ON ASSEM.
5/16
AN442-D4-5
28B078 CLIP
1/16 DIA. PILOT HOLES SPACED APPROX. 1 1/2
"A" "A"
7 1/2 R.
SECTION "A-A"
SECTION "B-B"
SECTION "C-C"
2°-30'
10°
12°
19 7/8
"B"
"B"
-2 L.H. 5/8 x 1/2 x .060 EXTR. ANGLE ALCOA DIE 5456
-3 R.H.
FINISH: GP
Z-P- ON XPBY-1 & PBY-1
Z-P- ON PBY-2 & FUTURE
GP-GREEN PRIME
FINISH CODE
Z
P
AF
C
[redacted]
L.H. AS SHOWN
R.H. OPPOSITE
7 1/2 R.
"C" "C"
4 7/8
7 3/16
5/8
.070
30°
15/16
1/2
1/4
1/4
FOR PBY-5A SEE B.M.
-1 PBY-4 28B1000
PBY-4 28B1000
-1 PBY-3 28B1000
PBY-3 28B1000
-1 PBY-2 28B1000
PBY-2 28B1000
-1 PBY-1 28B1000 AN442-D4-5
-1 XP3Y-1 28B001 1 28B083-3
PBY-1 28B1000 28B078
XP3Y-1 28B001 1 28B083-2
O.H. MODEL NEXT ASSY. REQ. PART No
REQUIREMENTS PER AIRPLANE MAT.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED +/-
APPROVED 9-29-36 DATE
.129 CALC. WT. ACT. WT.
SCALE 12" = 1'-0"
AC
NAVY AL. ALLOY 24SO 46A9 COND. A SR 53 NOTED
MATERIAL SPEC. HEAT TREAT FINISH
A.D. MILLER
2-2-39 10-10-36
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME STIFFENER - HULL - SIDE - STA. 5.875.
OPP. HAND 28B083-1
DWG. D SIZE 28B083
[redacted]
SULLIVAN McKEOGAN CO. INC. BUFFALO IMPERIAL TRACING CLOTH



(F)

PART NO.		STA.	A	B	CAL. WT.	ACT. WT.
28B084-1	L.H.	6.1	7 5/8	17°	.117	
-2	R.H.					
-3	L.H.	6.3	8 27/32	21°	.125	
-4	R.H.					
-5	L.H.	6.5	9 15/16	25°	.133	
-6	R.H.					
-7	L.H.	6.7	10 7/8	30°	.139	
-8	R.H.					
-9	L.H.	6.9	11 11/16	35°	.144	
-10	R.H.					

#1-52

O.H.	MODEL	NEXT ASSY.	REQ.
-1 TO -10	PBY-5A	28B5500	1EA
	PBY-5	28B1000	
	PBY-4	28B1000	
	PBY-3	28B1000	
	PBY-2	28B1000	
	PBY-1	28B1000	
	XP3Y-1	28B001	

REQUIREMENTS PER AIRPLANE

ST'D PARTS	REQ. LH	REQ. RH	PART NO.	REQ. LH	REQ. RH
AN442-D4-5	10		28B078	10	

MAT. — PARTS LIST PER ASSY.

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED + −
APPROVED LCW DATE 12-7-36
CALC. WT. NOTED ACT. WT.
SCALE FULL SIZE
AC

MATERIAL	SPEC.	HEAT TREAT	FINISH
NAVY .064 AL-ALLOY SHEET	47A10-COND-A	SR53 (COND-T)	NOTED

DRAFT	CHECK	EXAM.	ENG.
A.D 2-8-34	9-29-36	MILLER	

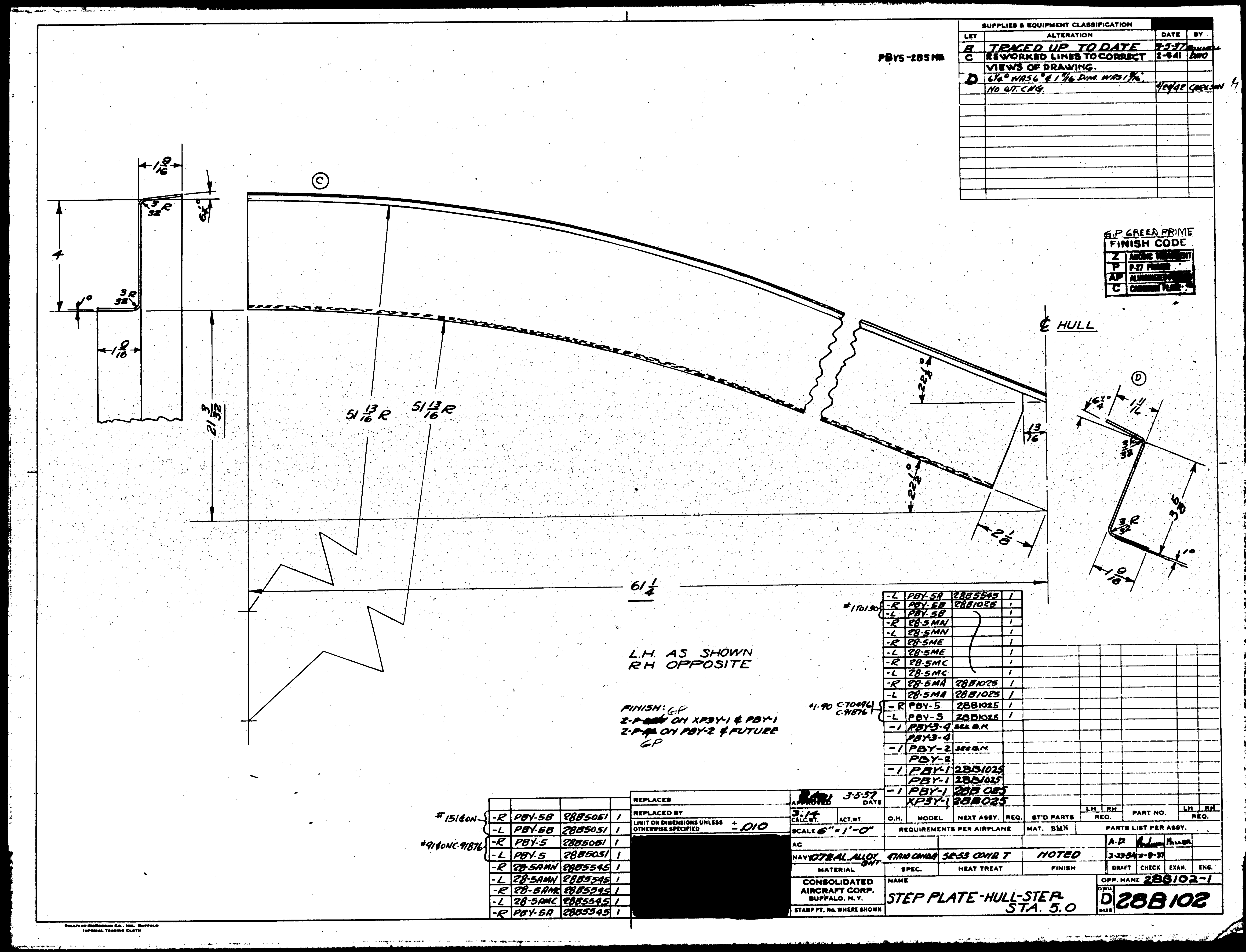
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN

NAME: STIFFENER — HULL-SIDE — STA. 6.1 TO 6.9

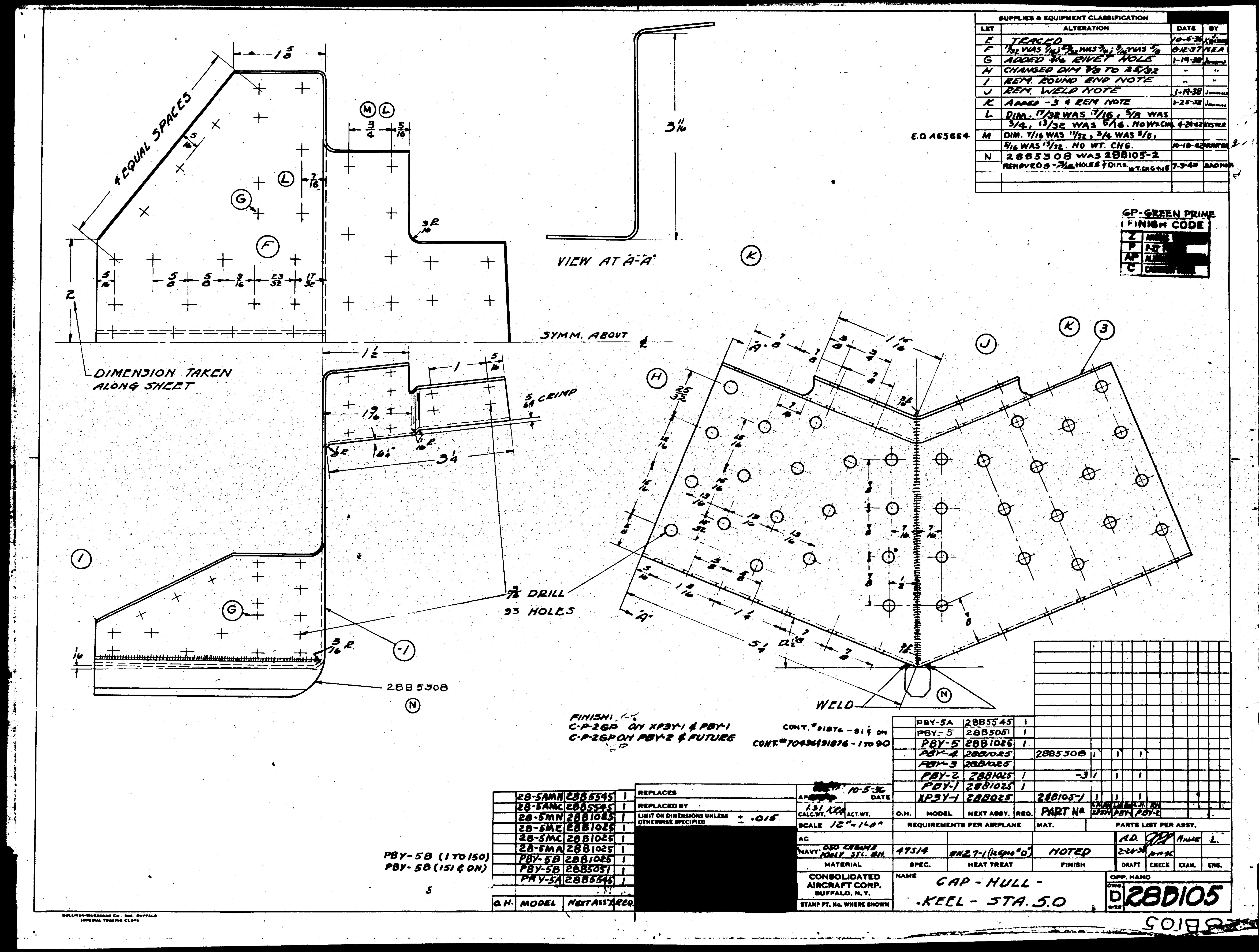
OPP. HAND
DWG. SIZE D 28B084

REL

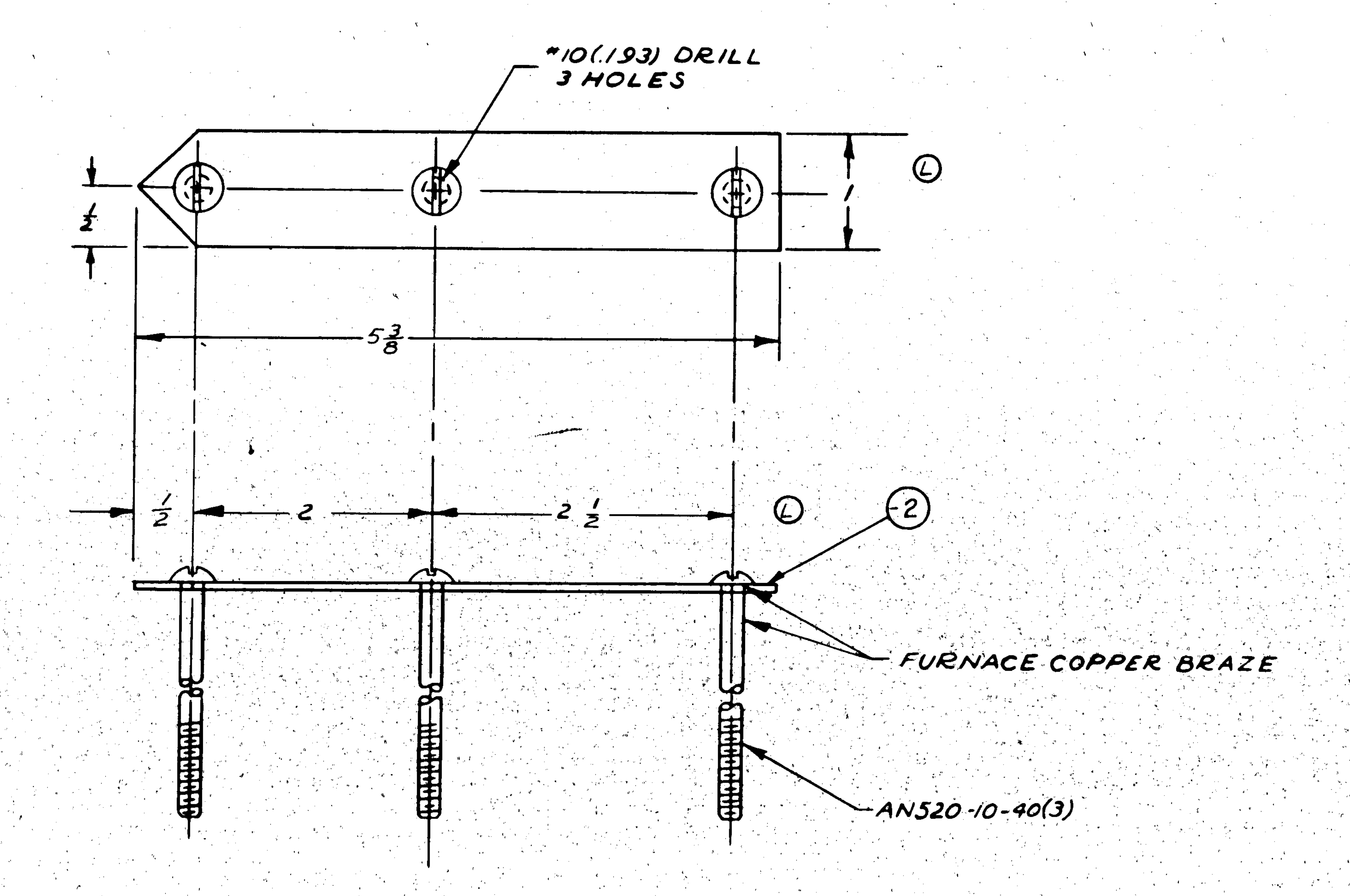
DULLIVAN-MCKEEGAN CO., INC. BUFFALO — IMPERIAL TRACING CLOTH



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B | TRACED UP TO DATE | 3-5-37
C | REWORKED LINES TO CORRECT VIEWS OF DRAWING. | 3-8-41
D | 6¼° WAS 6° & 1 11/16 DIM. WAS 1 9/16. NO WT. CHG. | 4/29/42 | CARLSON
PBY5-285 NB
G.P. GREEN PRIME
FINISH CODE
Z
P | P-27 PRIMER
AP
C
©
1 9/16
3/32 R
6¼°
4
1°
1 9/16
21 3/32
51 13/16 R
51 13/16 R
61 ¼
℄ HULL
Ⓓ
22½°
22½°
13/16
2 1/8
6¼°
1 11/16
3/32 R
3 5/8
1 9/16
1°
L.H. AS SHOWN
RH OPPOSITE
FINISH: GP
Z-P ON XP3Y-1 & PBY-1
Z-P ON PBY-2 & FUTURE
GP
#1 TO 150
-L PBY-5A 28B5545 1
-R PBY-6B 28B1026 1
-L PBY-5B 1
-R 28-5MN 1
-L 28-5MN 1
-R 28-5ME 1
-L 28-5ME 1
-R 28-5MC 1
-L 28-5MC 1
-R 28-5MA 28B1025 1
-L 28-5MA 28B1025 1
#1-90 C-70496 C-91876
-R PBY-5 28B1025 1
-L PBY-5 28B1025 1
-1 PBY-3-4 SEE B.M.
PBY-3-4
-1 PBY-2 SEE B.M.
PBY-2
-1 PBY-1 28B1025
PBY-1 28B1025
-1 PBY-1 28B025
XP3Y-1 28B025
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH | RH | REQ. | PART NO. | LH | RH | REQ.
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASSY.
#151 & ON
-R PBY-5B 28B5051 1
-L PBY-6B 28B5051 1
#91 & ON C-91876
-R PBY-5 28B5051 1
-L PBY-5 28B5051 1
-R 28-5AMN 28B5545 1
-L 28-5AMN 28B5545 1
-R 28-5AMC 28B5545 1
-L 28-5AMC 28B5545 1
-R PBY-5A 28B5545 1
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
[redacted]
APPROVED 3-5-37 DATE
3.14 CALC. WT. | ACT. WT.
SCALE 6" = 1'-0"
MAT. BMN
AC
NAVY 072 AL. ALLOY SHT. | 47A10 COND. A | SR-53 COND. T | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
A.D. | Miller
2-23-34 | 3-8-37
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
STEP PLATE-HULL-STEP STA. 5.0
OPP. HAND 28B102-1
DWG. SIZE D
28B102
SULLIVAN-MCGOOGAN CO., INC. BUFFALO
IMPERIAL TRACING CLOTH


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
E | TRACED | 10-6-36
F | 11/32 WAS 7/16; 23/32 WAS 3/4; 9/16 WAS 5/8 | 8-12-37 | K.E.A.
G | ADDED 3/16 RIVET HOLE | 1-19-38
H | CHANGED DIM 7/8 TO 25/32
I | REM. ROUND END NOTE
J | REM. WELD NOTE | 1-19-38
K | ADDED -3 & REM NOTE | 1-25-38
L | DIM. 17/32 WAS 17/16, 5/8 WAS 3/4, 13/32 WAS 5/16. NO WT. CHG. | 4-21-42 | KESTER
E.O. A65664 M | DIM. 7/16 WAS 17/32, 3/4 WAS 5/8, 5/16 WAS 13/32. NO WT. CHG. | 10-19-42 | HUNTER
N | 28B5308 WAS 28B105-2 REMOVED 5-7/16 HOLES & DIMS. WT. CHG. | 7-3-43
GP-GREEN PRIME
FINISH CODE
Z
P
AP
C
[redacted]
4 EQUAL SPACES
VIEW AT "A-A"
SYMM. ABOUT ℄
DIMENSION TAKEN ALONG SHEET
5/64 CRIMP
3/16 DRILL 93 HOLES
28B5308
WELD
FINISH: C-P-26P ON XP3Y-1 & PBY-1
C-P-26P ON PBY-2 & FUTURE
CONT. 91876-91 & ON
CONT. 70436 & 91876-1 TO 90
PBY-5A 28B5545 1
PBY-5 28B5051 1
PBY-5 28B1025 1
PBY-4 28B1025 28B5308
PBY-3 28B1025
PBY-2 28B1025 1 -3
PBY-1 28B1025 1
XP3Y-1 28B025 28B105-1
O.H. MODEL NEXT ASSY. REQ. PART No.
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASSY.
28-5AMH 28B5545 1
28-5AMC 28B5545 1
28-5MN 28B1025 1
28-5ME 28B1025 1
28-5MC 28B1025 1
28-5MA 28B1025 1
PBY-5B 28B1025 1
PBY-5B 28B5051 1
PBY-5A 28B5545 1
PBY-5B (1 TO 150)
PBY-5B (151 & ON)
O.H. MODEL NEXT ASS'Y REQ.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .015
[redacted]
10-5-36 DATE
1.31 KEA CALC.WT. ACT.WT.
SCALE 12"=1'-0"
AC
NAVY 030 CHROME MOLY STL. SH. | 47S14 | EN27-1 | NOTED
MATERIAL SPEC. HEAT TREAT FINISH
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME CAP - HULL - KEEL - STA. 5.0
OPP. HAND
D 28B105
SULLIVAN-McKEEGAN Co. INC. BUFFALO IMPERIAL TRACING CLOTH

LET	ALTERATION	DATE	BY
K	TRACED NO. WT. CHG	9-22-43	REID
L	REMOVED DIMS 3/8 & 1/2 NO		
	WT. CHG.	9-22-43	REID



MCR 272A-1 & ON
1 TO MCR 272A-1

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY5A	28B5808	2
	PBY5A	28B1131	2
	PBY5B	28B1131	2
	ALL 28-5'S	28B1131	2EA
	PBY-5	28B1131	2
	PBY1,2,3 & 4	28B1131	
	XP3Y-1	28B1131	2

REQUIREMENTS PER AIRPLANE

REPLACES 28B210 12-4-36 — CALC. WT. 110

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	-0 LH	-0 RH	-2 LH	-2 RH	-3 LH	-3 RH	-4 LH	-4 RH	-5 LH	-5 RH
AN520-10-40				3									
-2	.037X1 1/8X5 1/2	CM STEEL	AN-QQ-S-685	1									

PARTS LIST PER ASSY.

[redacted]

AC							
NAVY 90,000 TO 125,000 P.S.I.	SANDBLAST & CAD. PLATE	SEMION 5-28-34	STIER 12-17-36	MILLER		L.C.W. 12-4-36	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT	APPROV	ENG.

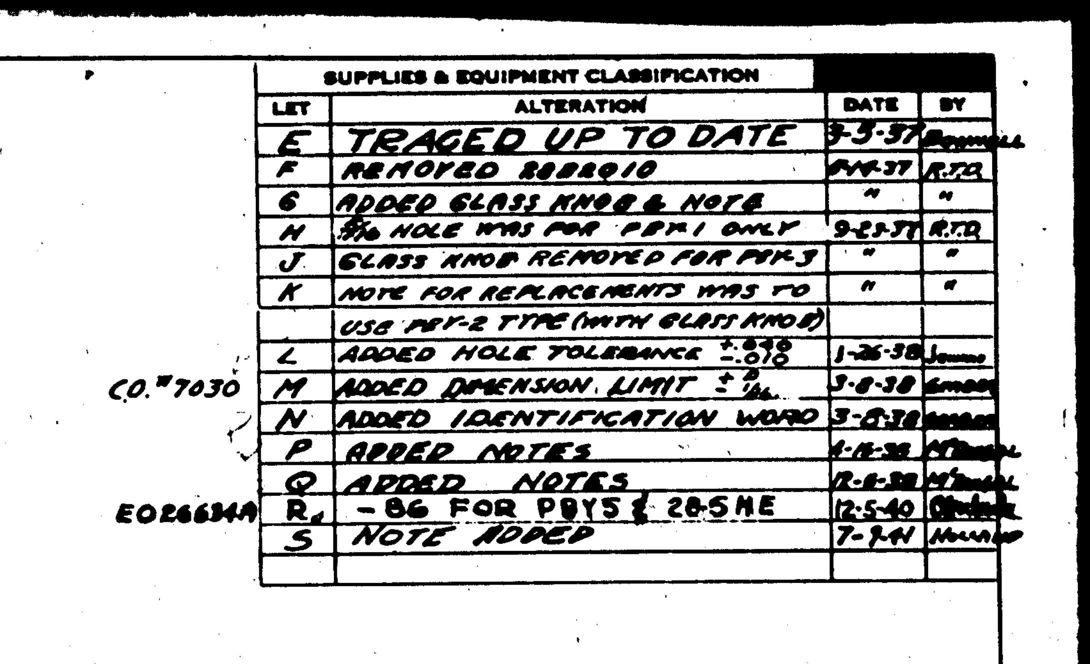
NAME CLAMP-HULL-NOSE BUMPER-ATTACHING

OPP. HAND

DWG. SIZE D — 28B210

CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.

R 28B210



SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
E	TRACED UP TO DATE	3-5-37	[illegible]
F	REMOVED 28B2910	5-14-37	R.T.D.
G	ADDED GLASS KNOB & NOTE	"	"
H	5/16 HOLE WAS FOR PBY-1 ONLY	9-23-37	R.T.D.
J	GLASS KNOB REMOVED FOR PBY-3	"	"
K	NOTE FOR REPLACEMENTS WAS TO	"	"
	USE PBY-2 TYPE (WITH GLASS KNOB)		
L	ADDED HOLE TOLERANCE +.040 −.010	1-26-38	[illegible]
M	ADDED DIMENSION LIMIT ±1/16	3-8-38	[illegible]
N	ADDED IDENTIFICATION WORD	3-8-38	[illegible]
P	ADDED NOTES	4-15-38	[illegible]
Q	ADDED NOTES	12-6-38	[illegible]
R	-86 FOR PBY5 & 28-5ME	12-5-40	[illegible]
S	NOTE ADDED	7-9-41	[illegible]

C.O. #7030

EO26634A

LIMITS ON DIMENSIONS :~
±1/16 ON WIDTH & LENGTH
+1/16 −1/8 ON BENDS
±1/32 ON THICKNESS

BONDING MATERIAL TO BE VINYL RESIN BINDER ("HITEST" OR EQUIV.) (Q)

(L) +.040 −.010 5/16 DIA HOLE ON PBY-1 & PBY-3 AND FUTURE (H)
HOLE TO BE SMOOTH
EDGES OF HOLE MUST BE
FREE FROM CHIPS

2 — 1 3/4 — 1/2 — 2 (F)

DO NOT USE - SEE NOTE:
2 X 1/2 X 3/8 (THICK) GLASS KNOB
CEMENT TO WINDOW
USED ON PBY-2 ONLY (J)
BEVEL EDGES EXCEPT THOSE
CONTACTING WINDOW (G)

1/32 R BEVEL FOUR EDGES AS SHOWN

13 9/16 — 5 23/32 — 7

3/16 R

(N) PAINT LETTERS

5 — BOTTOM 7/8 — 1/2

25 23/32

(S) "SEE NOTE WHEN ORDERING SPARE PARTS"

NOTE: FOR ALL REPLACEMENTS & SPARE GLASSES ORDER PBY-3 TYPE (WITH 28F164 HANDLE) (REF.) ONLY INCLUDING :~ (K)

1. 28B2024-81 RUBBER BUSHING
2. Q7028-D13-.064 – WASHERS, CEMENTED TO GLASS WITH FULLER'S CEMENT GL 1320 OR EQUIVALENT.

(P) USE 28B2024-86 FOR PBY-5 & 28-5ME (R)

NOTE :~
DETAIL #17 OF DWG. 28B2024 SHEET #2 SHOWS SECTION OF GLASS WITH WASHERS.

O.H.	MODEL	NEXT ASSY.	REQ.
	PBY-5B	28B2024	2
	PBY-5&5A	28B2024	2 EA
	PBY-4	28B2024	
	PBY-3	28B2024	
	PBY-2	28B2024	
	PBY-1	28B004	
	XP3Y-1	28B004	

REQUIREMENTS PER AIRPLANE

ST'D PARTS — LH RH REQ. — PART NO. — LH RH REQ. — MAT.

PARTS LIST PER ASSY.

(M)

REPLACES

REPLACED BY

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED

[redacted]

KAW 10-21-35
APPROVED DATE

6.25 CALC. WT. — 6/3 ACT. WT.

SCALE 6" = 1'-0"

AC

NAVY 3 LAMINATED GLASS — MATERIAL

4983 GRADE 2 — SPEC.

— HEAT TREAT

— FINISH

DRAFT	CHECK	EXAM.	ENG.
BAMARD 6-25-34	[illegible] 3-10-37	MILLER	

(F)

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.

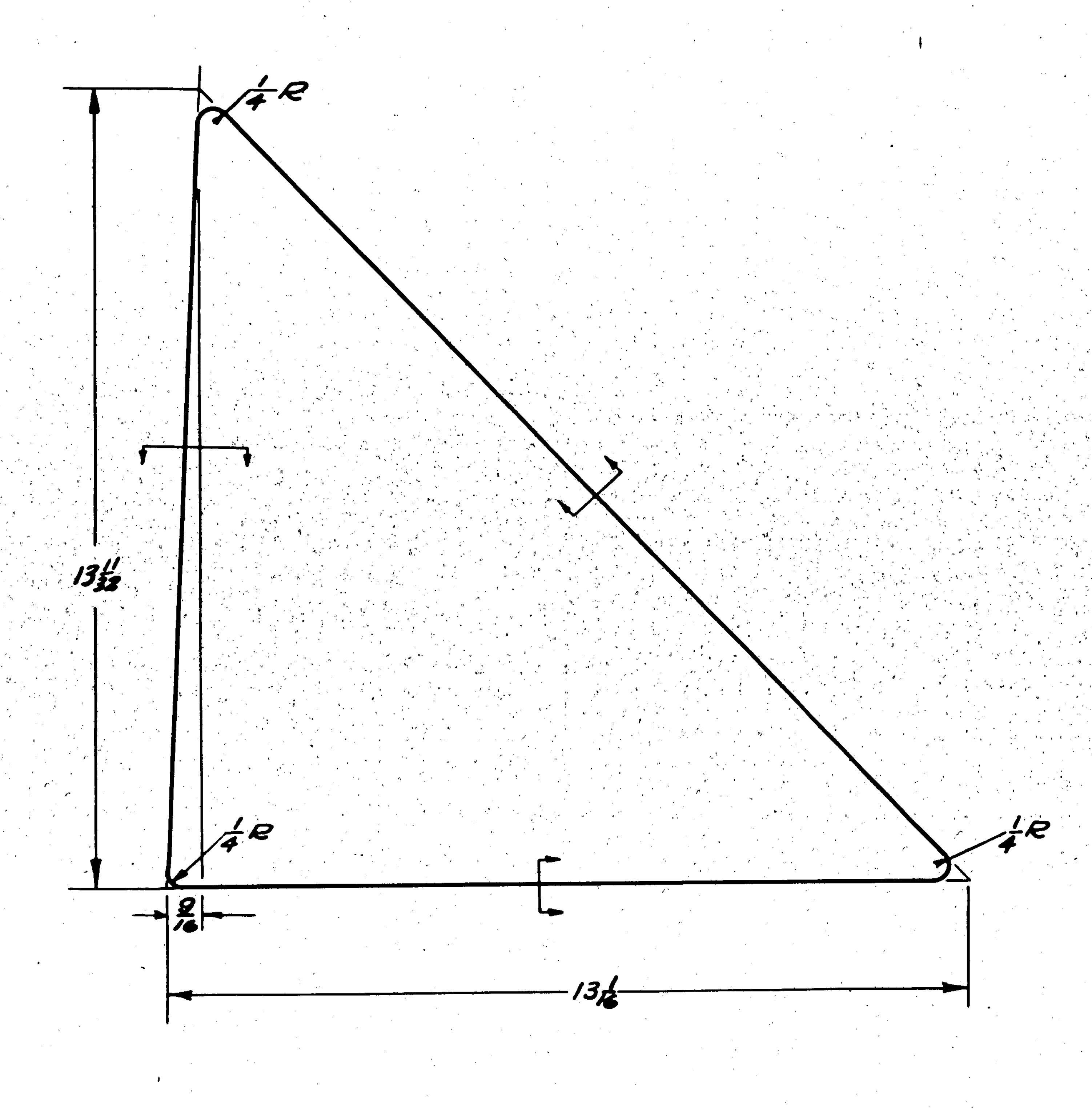
STAMP PT. No. WHERE SHOWN

NAME GLASS-HULL-PILOTS ENCLOSURE SLIDING WINDOW

OPP. HAND

DWG. SIZE D 28B254

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
E	TRACED UP TO DATE	3-8-37	[illegible]
F	ADDED NOTES	12-5-38	McDowell



1/32 R

1/4

SECTION FULL SIZE

LIMITS ON DIMENSIONS :~
±1/16 ON WIDTH & LENGTH
+1/16 −1/8 ON BENDS
±1/32 ON THICKNESS

BONDING MATERIAL TO BE VINYL RESIN BINDER ("HITEST" OR EQUIV.)

(F)

O.H.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28B2024	2
	PBY-5B	28B2024	2
	PBY-4	28B2024	
	PBY-3	28B2024	
	PBY-2	28B2024	
	PBY-1	28B004	
	XP3Y-1	28B004	

REQUIREMENTS PER AIRPLANE

ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.

MAT. — PARTS LIST PER ASSY.

REPLACES

REPLACED BY

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED + −

[redacted]

APPROVED 10-12-35 DATE

1.83 CALC.WT. — ACT.WT.

SCALE 6"=12"/12"=1'

	MATERIAL	SPEC.	HEAT TREAT	FINISH
AC				
NAVY	1/4" LAMINATED GLASS	2083 GRADE 1	——	——

DRAFT	CHECK	EXAM.	ENG.
SAVARD	[illegible]	MILLER	
6-25-35	3-10-37		

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

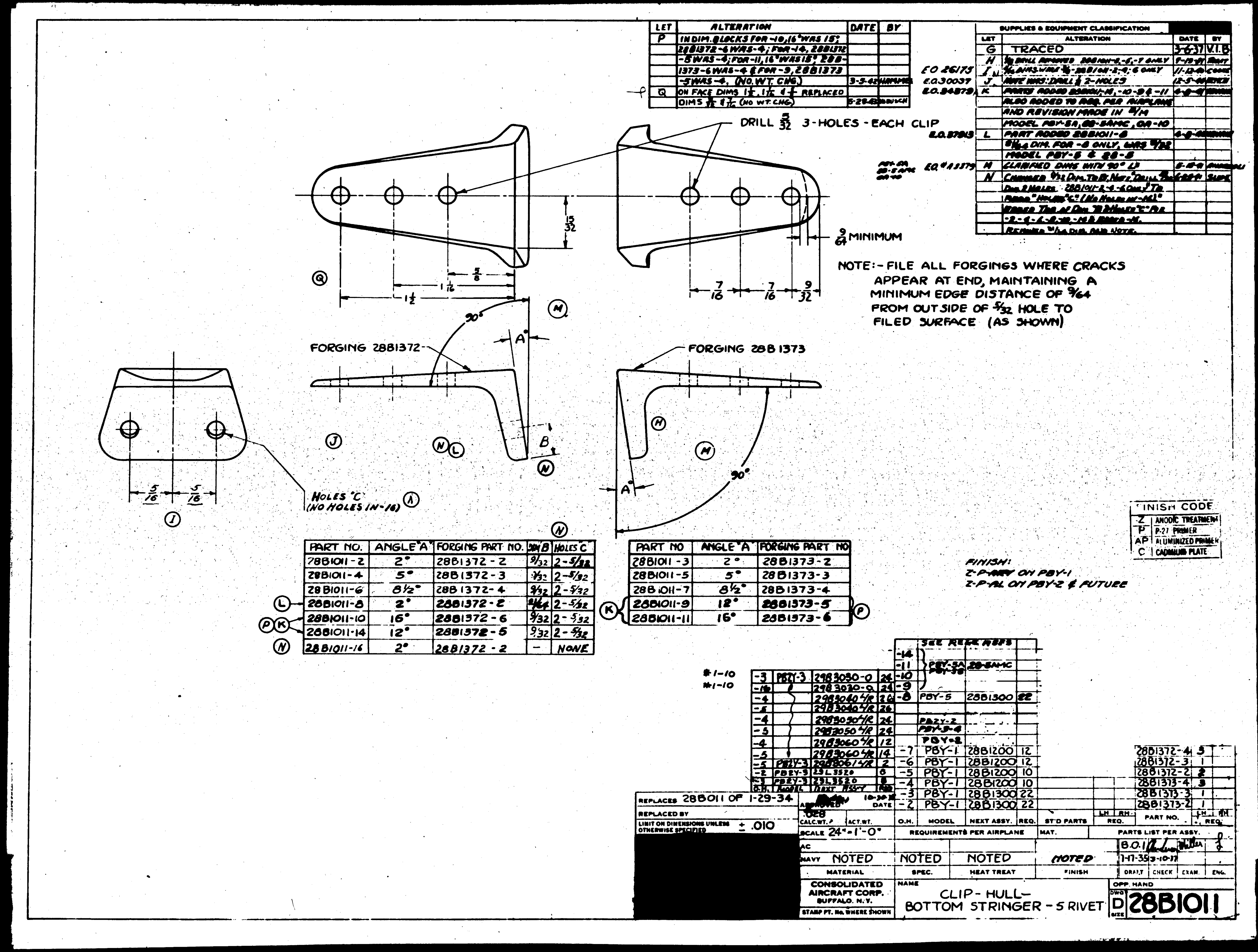
STAMP PT. No. WHERE SHOWN

NAME GLASS-HULL-PILOTS ENCLOSURE-FIXED-SIDE

OPP. HAND

DWG. SIZE D 28B255

SULLIVAN-McKEOGAN Co. INC. BUFFALO IMPERIAL TRACING CLOTH

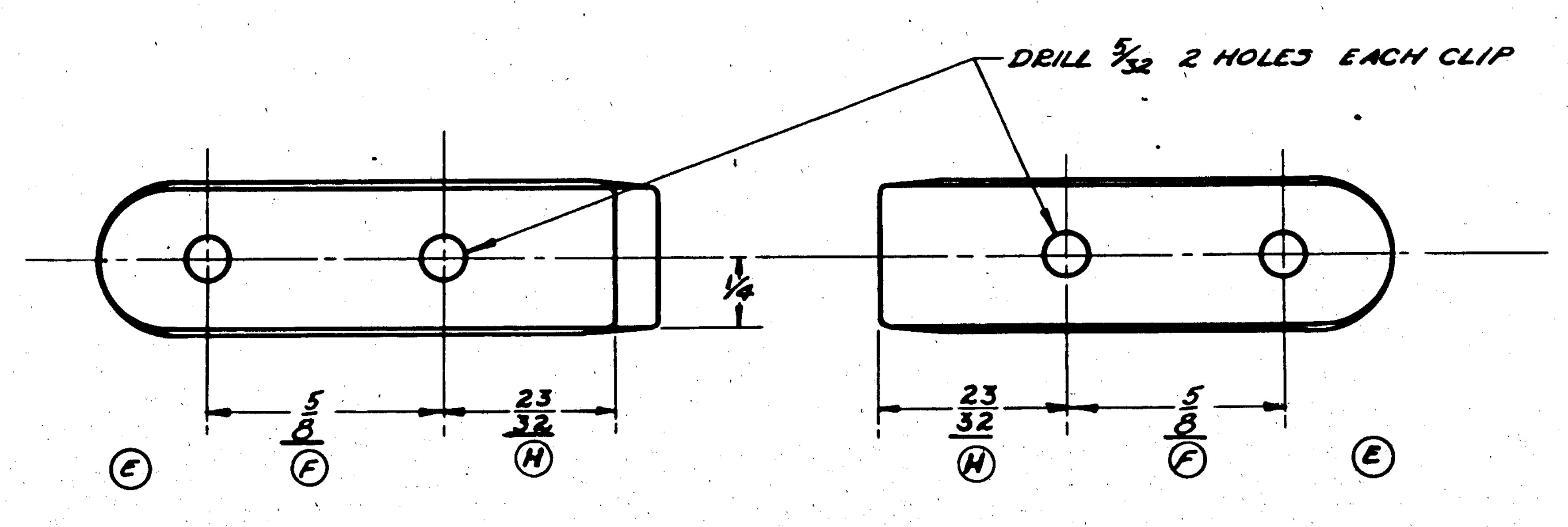


LET | ALTERATION | DATE | BY
P | IN DIM. BLOCKS FOR -10, 16" WAS 15"; 28B1372-6 WAS-4; FOR-14, 28B1372-5 WAS-4; FOR-11, 16" WAS 15"; 28B1373-6 WAS-4 & FOR-9, 28B1373-5 WAS-4. (NO. WT. CHG.)
Q | ON FACE DIMS 1 1/2, 1 1/16 & 5/8 REPLACED DIMS (NO WT. CHG.)
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
G | TRACED | 3-6-37 | V.I.B.
E.O. 26175
E.O. 30037
E.O. 34879
E.O. 37813
E.O. #A3379
ALSO ADDED TO REQ. PER AIRPLANE AND REVISION MADE IN
MODEL PBY-5 & 28-5
CLARIFIED DIMS WITH 90° L
DRILL 5/32 3-HOLES - EACH CLIP
15/32
9/64 MINIMUM
5/8
1 1/16
1 1/2
7/16
7/16
9/32
NOTE:- FILE ALL FORGINGS WHERE CRACKS APPEAR AT END, MAINTAINING A MINIMUM EDGE DISTANCE OF 9/64 FROM OUTSIDE OF 5/32 HOLE TO FILED SURFACE (AS SHOWN)
90°
A°
FORGING 28B1372
FORGING 28B1373
B
5/16
5/16
HOLES "C" (NO HOLES IN -16)
PART NO. | ANGLE "A" | FORGING PART NO. | DIM B | HOLES C
28B1011-2 | 2° | 28B1372-2 | 9/32 | 2-5/32
28B1011-4 | 5° | 28B1372-3 | 9/32 | 2-5/32
28B1011-6 | 8 1/2° | 28B1372-4 | 9/32 | 2-5/32
28B1011-8 | 2° | 28B1372-2 | 21/64 | 2-5/32
28B1011-10 | 16° | 28B1372-6 | 9/32 | 2-5/32
28B1011-14 | 12° | 28B1372-5 | 9/32 | 2-5/32
28B1011-16 | 2° | 28B1372-2 | — | NONE
PART NO | ANGLE "A" | FORGING PART NO
28B1011-3 | 2° | 28B1373-2
28B1011-5 | 5° | 28B1373-3
28B1011-7 | 8 1/2° | 28B1373-4
28B1011-9 | 12° | 28B1373-5
28B1011-11 | 16° | 28B1373-6
FINISH CODE
Z | ANODIC TREATMENT
P | P-27 PRIMER
AP | ALUMINIZED PRIMER
C | CADMIUM PLATE
FINISH:
Z-P ON PBY-1
Z-P-AL ON PBY-2 & FUTURE
SEE REQ. REFS
PBY-5A
PBY-5
28B1300
-7 | PBY-1 | 28B1200 | 12
-6 | PBY-1 | 28B1200 | 12
-5 | PBY-1 | 28B1200 | 10
-4 | PBY-1 | 28B1200 | 10
-3 | PBY-1 | 28B1300 | 22
-2 | PBY-1 | 28B1300 | 22
28B1372-4
28B1372-3
28B1372-2
28B1373-4
28B1373-3
28B1373-2
REPLACES 28B011 OF 1-29-34
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
.028
SCALE 24" = 1'-0"
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | REQ. | PART NO. | REQ.
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASSY.
NAVY NOTED | NOTED | NOTED | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
CLIP - HULL - BOTTOM STRINGER - 5 RIVET
OPP. HAND
D 28B1011
[redacted]

LET	ALTERATION	DATE	BY
D	TRACED UP TO DATE	3-6-37	RMcC
E	3/8 DIM. CHANGED TO 7/16	6-29-37	R.T.D.
F	3/4 DIM. CHANGED TO 5/8	7-19-37	TREAT
G	1/8 DRILL REMOVED - 28B1012-3,-5,-7 ONLY	7-19-37	TREAT
H	REMOVED FROM DWG. DIM. 7/16 & ADDED DIM 23/32	8-11-41	WHITE
J	IN B/M REPLACED SPEC. "QQ-A-367" WITH "NOTED". ADDED TO FACE DETAILS OF OUTLINE WHEN PARTS ARE CUT FROM EXTRUSION. ADDED NOTE "ALTERNATE MATERIAL ----- ANGLE"		
	WT. CHG. NEG.	7-15-43	UPPSCH-FELTER

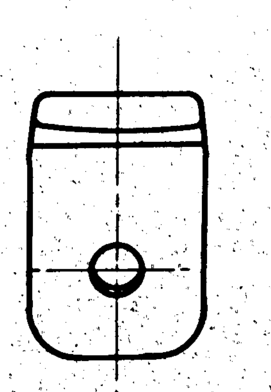
SUPPLIES & EQUIPMENT CLASSIFICATION

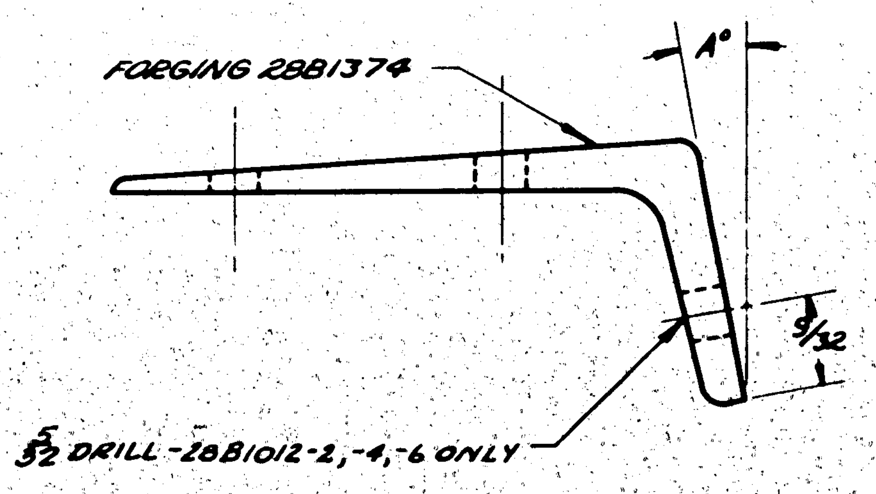
E.D.C. 7763 PBY-5 PBY5A

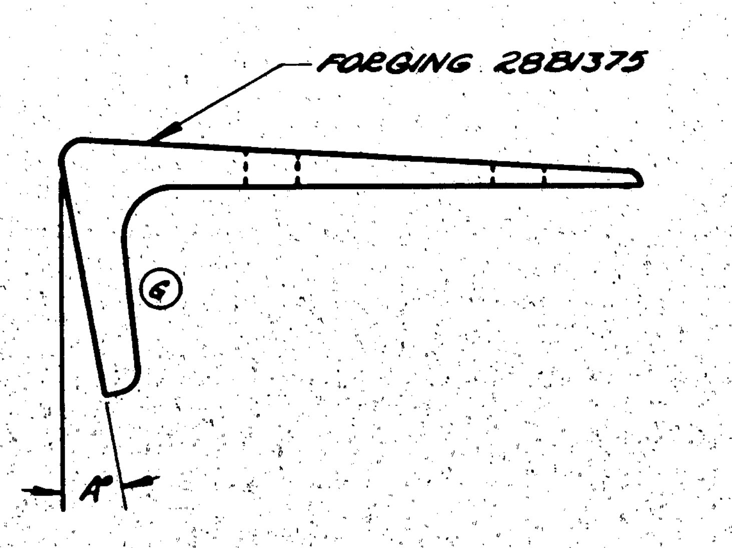


GP-GREEN PRIME

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE





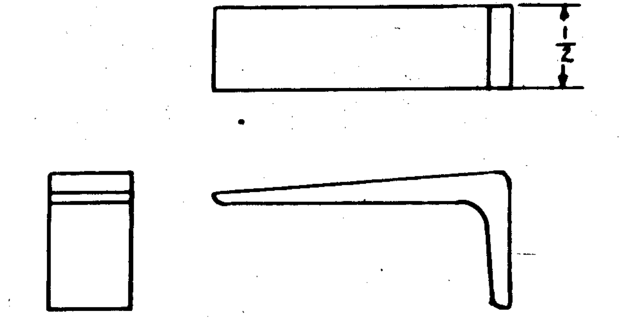


PART No	ANGLE "A"°	FORGING PART No
28B1012-2	3½°	28B1374-2
28B1012-4	7°	28B1374-3
28B1012-6	10°	28B1374-4

PART No	ANGLE "A"°	FORGING PART No
28B1012-3	3½°	28B1375-2
28B1012-5	7°	28B1375-3
28B1012-7	10°	28B1375-4

O.H.	MODEL	NEXT ASSY	REQ.
-3	B24D	32B1060	4
-2	B24D	32B1060	14
-3	B24C	32B1060	4
-2	B24C	32B1060	14
-7	B24A	32B090	15
-6	B24A	32B090	11
-5	B24A	32B090	2
-4	B24A	32B090	2
-2	XB24,B24,B24A	32B060	15
-7	XB24,B24A	32B090	15
-6	XB24,B24A	32B090	11
-5	XB24,B24A	32B090	2
-4	XB24,B24A	32B090	2
-2	B24A	32B080	14
-3	B24A	32B080	16
-4	B24A	32B080	8
-7	XB24, B24	32B080	13
-6	XB24, B24	32B080	11
-5	XB24, B24	32B080	8
-4	XB24, B24	32B080	8
-3	XB24, B24	32B080	16
-2	XB24, B24	32B080	14
-5	B24A	32B080	8
-6	B24A	32B080	11
-7	B24A	32B080	15

FINISH:
Z-P-GP ON PBY-1
Z-P-GP ON PBY-2 & FUTURE



DETAIL OF OUTLINE WHEN PARTS ARE CUT FROM EXTRUSION
SCALE - 12" = 1'-0"

NOTE:
ALTERNATE MATERIAL FOR 28B1012-2,-3,-4,-5,-6,-7 TO BE #30787, 24ST. AL. ALLOY EXTRUSION, ARMY SPEC. QQ-A-354 COND. T. NAVY SPEC. 46A9 COND. T. STRIKE PARTS TO OBTAIN REQUIRED ANGLE.

O.H.	MODEL	NEXT ASSY	REQ.
-2	PB2Y-3	29B3050 L/R	4
-3		29B3050 L/R	4
-4		29B3090	2
-5		29B3090	2
-2		29B3060 L/R	16
-4		29B3060 L/R	4
-6	PB2Y-3	29B3060 L/R	4

PBY-5A&B SEE B.M. SHEET

O.H.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS	REQ. LH	REQ. RH	PART NO.	REQ. LH	REQ. RH
	PBY-5	SEE B.M. SHEET							
	PB2Y-3	SEE B.M. SHEET							
	PB2Y-2	SEE B.M. SHEET							
	PBY-3-4	SEE B.M. SHEET							
	PBY-2	SEE B.M. SHEET							
-6	PBY-1	28B1100							
-6	PBY-1	28B1527							
-7	PBY-1	28B1124							
-6	PBY-1	28B700							
-3	PBY-1	28B700							
-2	PBY-1	28B700							
-6	PBY-1	28B1600							
-4	PBY-1	28B1600							
-3	PBY-1	28B1600					28B1374-4	1	
-2	PBY-1	28B1600					28B1374-3	1	
-5	PBY-1	28B1200					28B1374-2	1	
-4	PBY-1	28B1200					28B1375-4	1	
-3	PBY-1	28B1200					28B1375-3	1	
-2	PBY-1	28B1200					28B1375-2	1	
REQUIREMENTS PER AIRPLANE				MAT.	PARTS LIST PER ASSY.				

REPLACES	28B012 OF 1-29-34
APPROVED / DATE	10-30-35
REPLACED BY	
CALC. WT.	.014
ACT. WT.	
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	± .010
SCALE	24" = 1'-0"

[redacted]

	MATERIAL	SPEC.	HEAT TREAT	FINISH
AC	NOTED	NOTED	NOTED	NOTED
NAVY	NOTED	NOTED	NOTED	NOTED

DRAFT	CHECK	EXAM.	ENG.
BQL. 7-17-35	Anderson 3-9-37	Miller	

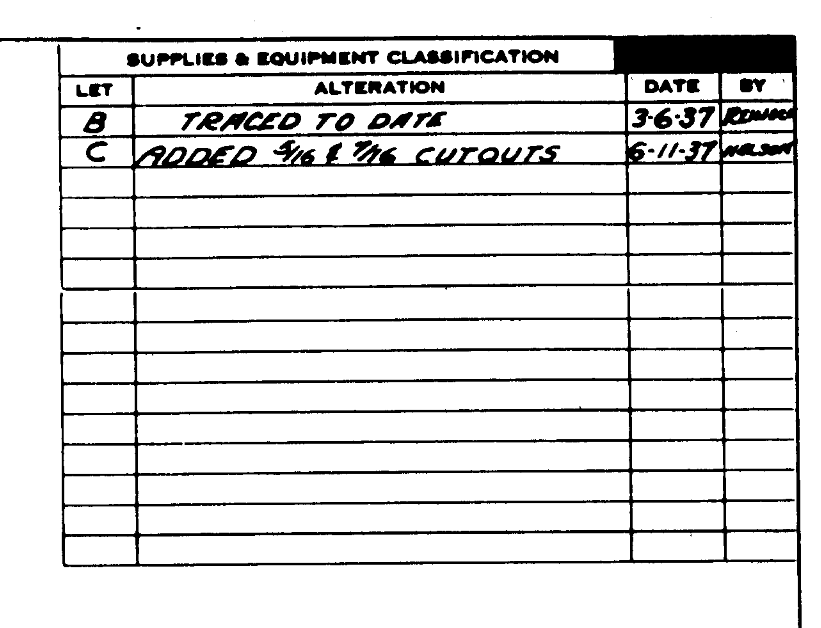
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N. Y.
STAMP PT. No. WHERE SHOWN

NAME: CLIP - HULL - DECK - STRINGER - ANGULAR

OPP. HAND

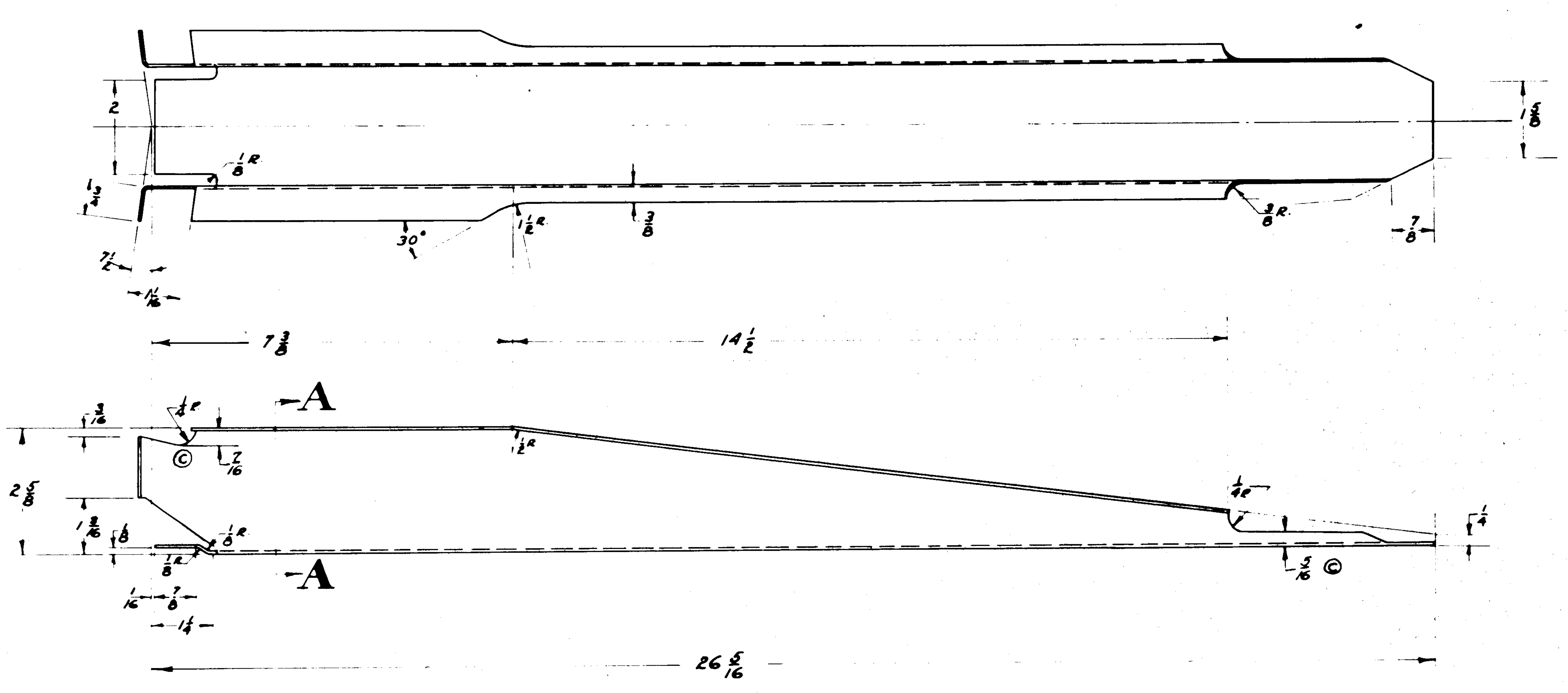
DWG. SIZE D 28B1012

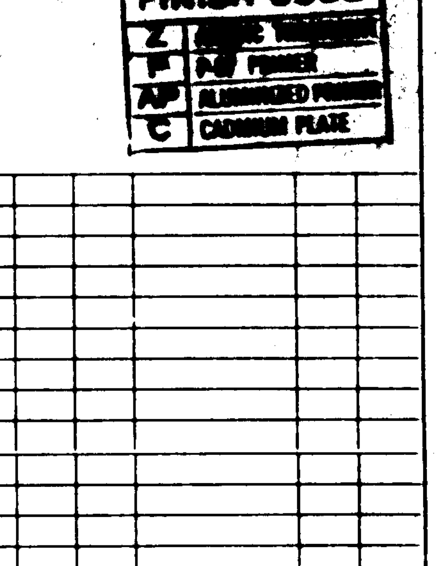
CHECKED BY [illegible] DATE [illegible]



SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
B	TRACED TO DATE	3-6-37	[illegible]
C	ADDED 5/16 & 7/16 CUTOUTS	6-11-37	[illegible]





O.H.	MODEL	NEXT ASSY.	REQ.
	PBY-5B	28B1500	2
	PBY-5A	28B5590	2
	PBY-4	28B1500	
	PBY-3	28B1500	
	PBY-2	28B1500	
	PBY-1	28B1500	

REQUIREMENTS PER AIRPLANE

ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.

MAT. — PARTS LIST PER ASSY.

REPLACES 28B057 OF 2-7-34

REPLACED BY

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32

[redacted]

APPROVED [illegible] 10-24-35 DATE

1.10 CALC. WT. | ACT. WT.

SCALE HALF SIZE

AC

NAVY AL. ALLOY 24 SO 3/4 H. — MATERIAL

47A10 COND A — SPEC.

SR53 COND T — HEAT TREAT

Z-P — FINISH

LOC.	Anderson	MILLER	
9-24-35	3-8-37		
DRAFT	CHECK	EXAM.	ENG.

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

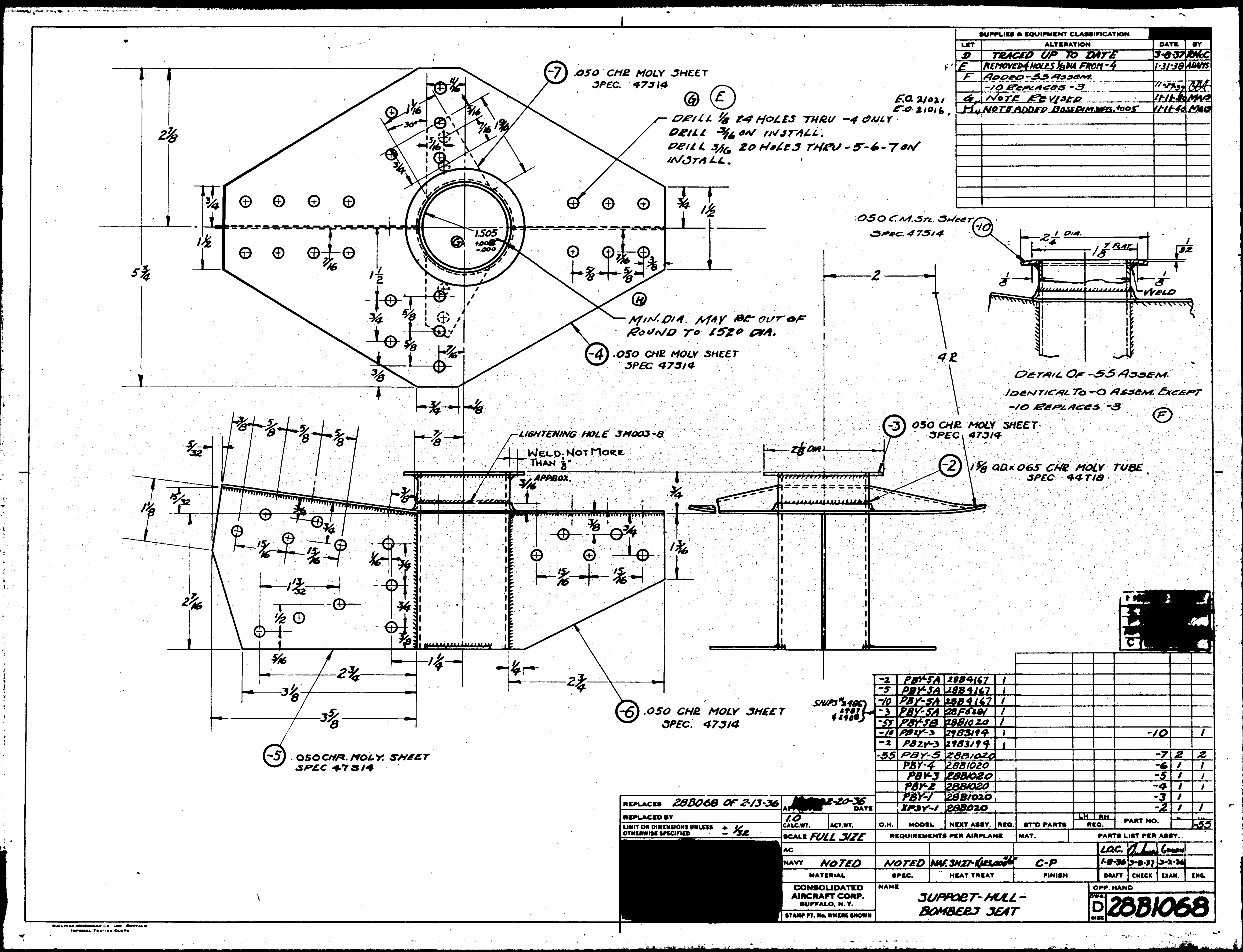
STAMP PT. No. WHERE SHOWN

NAME STIFFENER-HULL-BULKHEAD #5

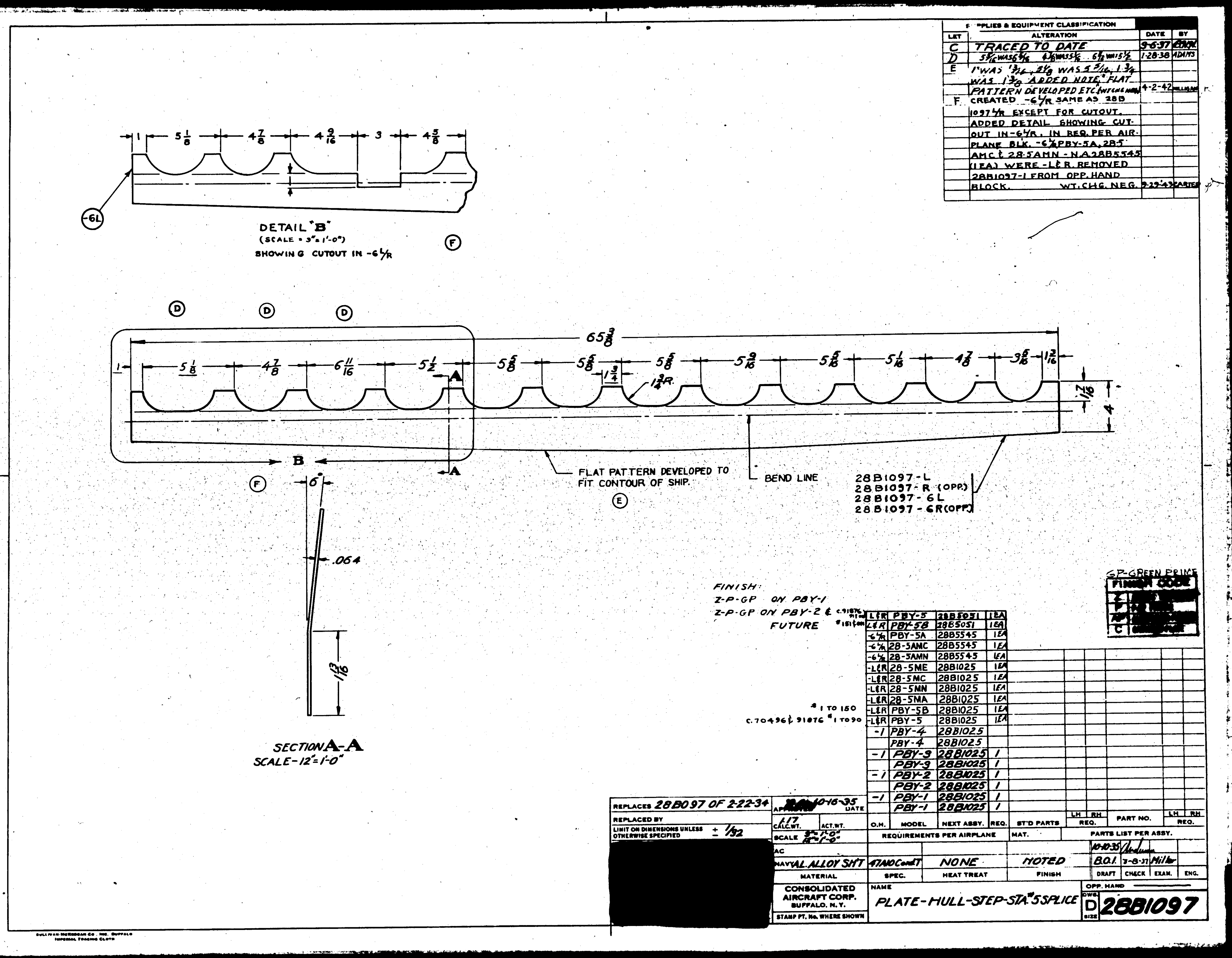
OPP. HAND

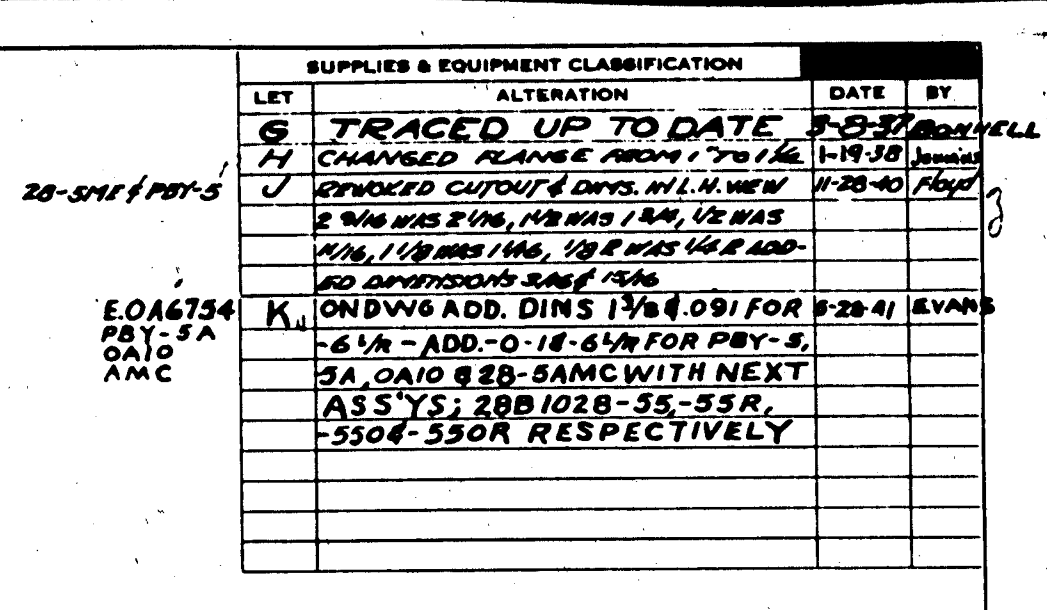
DWG. D SIZE 28B1057

SULLIVAN McKEOGAN CO. INC. BUFFALO IMPERIAL TRACING CLOTH



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
D TRACED UP TO DATE 3-8-37
E REMOVED 4 HOLES 1/8 DIA FROM -4 1-31-38
F ADDED -55 ASSEM. -10 REPLACES -3
G NOTE REVISED
H NOTE ADDED BOSS DIM. WAS ±.005
E.O. 21021
E.O. 21016
-7 .050 CHR MOLY SHEET SPEC. 47314
DRILL 1/8 24 HOLES THRU -4 ONLY
DRILL 3/16 ON INSTALL.
DRILL 3/16 20 HOLES THRU -5-6-7 ON INSTALL.
1.505 +.008 -.000
MIN. DIA. MAY BE OUT OF ROUND TO 1.520 DIA.
-4 .050 CHR MOLY SHEET SPEC 47314
.050 C.M. STL. SHEET SPEC. 47314
-10
2 1/4 DIA.
1 7/8 FLAT
WELD
DETAIL OF -55 ASSEM.
IDENTICAL TO -0 ASSEM. EXCEPT -10 REPLACES -3
4 R
LIGHTENING HOLE 3M003-8
WELD: NOT MORE THAN 1/8"
APPROX.
-3 .050 CHR MOLY SHEET SPEC 47314
2 1/8 DIA
-2 1 5/8 O.D. x .065 CHR MOLY TUBE SPEC 44T18
-6 .050 CHR MOLY SHEET SPEC. 47314
-5 .050 CHR. MOLY. SHEET SPEC 47314
SHIPS 2986, 2987 & 2988
-2 PBY-5A 28B4167 1
-5 PBY-5A 28B4167 1
-10 PBY-5A 28B4167 1
-3 PBY-5A 28F5281 1
-55 PBY-5B 28B1020 1
-10 PB2Y-3 29B3194 1
-2 PB2Y-3 29B3194 1
-55 PBY-5 28B1020
PBY-4 28B1020
PBY-3 28B1020
PBY-2 28B1020
PBY-1 28B1020
XP3Y-1 28B020
-10 1
-7 2 2
-6 1 1
-5 1 1
-4 1 1
-3 1
-2 1 1
-55
REPLACES 28B068 OF 2-13-36
APPROVED [redacted] 2-20-36 DATE
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
1.0 CALC.WT. ACT.WT. O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO.
SCALE FULL SIZE REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
[redacted]
AC
NAVY NOTED NOTED NAF 3H27-1(125,000) C-P
MATERIAL SPEC. HEAT TREAT FINISH
L.Q.C. 1-8-36 3-8-37 3-2-36
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME SUPPORT-HULL-BOMBERS SEAT
OPP. HAND
DWG. D SIZE 28B1068
SULLIVAN McKEOGAN Co. INC. BUFFALO IMPERIAL TRACING CLOTH


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C TRACED TO DATE 9-6-37
D 5 3/16 WAS 6 5/16 4 3/8 WAS 5 5/8 6 1/2 WAS 5 1/2 1-28-38 ADAMS
E 1" WAS 1 3/16, 2 1/8 WAS 5 5/16, 1 3/4 WAS 1 3/8 ADDED NOTE "FLAT PATTERN DEVELOPED ETC." 4-2-42
F CREATED -6L/R SAME AS 28B1097L/R EXCEPT FOR CUTOUT. ADDED DETAIL SHOWING CUTOUT IN -6L/R. IN REQ. PER AIRPLANE BLK. -6L/R PBY-5A, 28-5AMC & 28-5AMN - N.A 28B5545 (1EA) WERE -L & R. REMOVED 28B1097-1 FROM OPP. HAND BLOCK. WT. CHG. NEG. 9-29-43
DETAIL "B"
(SCALE = 3" = 1'-0")
SHOWING CUTOUT IN -6L/R
-6L
65 3/8
FLAT PATTERN DEVELOPED TO FIT CONTOUR OF SHIP.
BEND LINE
28B1097-L
28B1097-R (OPP.)
28B1097-6L
28B1097-6R (OPP.)
.064
SECTION A-A
SCALE-12"=1'-0"
FINISH:
Z-P-GP ON PBY-1
Z-P-GP ON PBY-2 & FUTURE
GP-GREEN PRIME
FINISH CODE
L&R PBY-5 28B5051 1EA
L&R PBY-5B 28B5051 1EA
-6L/R PBY-5A 28B5545 1EA
-6L/R 28-5AMC 28B5545 1EA
-6L/R 28-5AMN 28B5545 1EA
-L&R 28-5ME 28B1025 1EA
-L&R 28-5MC 28B1025 1EA
-L&R 28-5MN 28B1025 1EA
-L&R 28-5MA 28B1025 1EA
-L&R PBY-5B 28B1025 1EA
-L&R PBY-5 28B1025 1EA
-1 PBY-4 28B1025
PBY-4 28B1025
-1 PBY-3 28B1025 1
PBY-3 28B1025 1
-1 PBY-2 28B1025 1
PBY-2 28B1025 1
-1 PBY-1 28B1025 1
PBY-1 28B1025 1
O.H. MODEL NEXT ASSY. REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES 28B097 OF 2-22-34
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
[redacted]
APPROVED 10-16-35 DATE
1.17 CALC. WT. ACT. WT.
SCALE 3" = 1'-0" 12" = 1'-0"
NAVY AL. ALLOY SHT | 47ANO Cond T | NONE | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
10-10-35 B.O.I. 3-8-37 Miller
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME PLATE-HULL-STEP-STA. #5 SPLICE
OPP. HAND
DWG. D SIZE 28B1097



SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
G	TRACED UP TO DATE	3-8-37	BONNELL
H	CHANGED FLANGE FROM 1" TO 1 1/4	1-19-38	Jennings
J	REWORKED CUTOUT & DIMS. IN L.H. VIEW	11-28-40	Floyd
	2 9/16 WAS 2 1/16, 1 1/2 WAS 1 3/4, 1/2 WAS		
	11/16, 1 1/8 WAS 1 1/16, 1/8 R WAS 1/4 R ADD-		
	ED DIMENSIONS 3/16 & 15/16		
K	ON DWG ADD. DIMS 1 3/8 & .091 FOR	5-28-41	EVANS
	-6L/R - ADD. -0-1 & -6L/R FOR PBY-5,		
	5A, OA10 & 28-5AMC WITH NEXT		
	ASS'YS; 28B1028-55, -55R,		
	-550 & -550R RESPECTIVELY		

28-5AMC & PBY-5

E.O.A6754 PBY-5A OA10 AMC

PRICK PUNCH 16 PLACES

PART No

GP-GREEN PRIME

FINISH CODE

Z
P
AP
C

PARTS MARKED THUS * FOR -6L & -6R ONLY. -6L & -6R SAME AS -0 & -1 EXCEPT FOR JOGGLE DIMENSIONS

FINISH GP
Z-P- ON PBY-1
Z-P- GP ON PBY-2 & FUTURE

O.H.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.
-1	28-5AMC	28B1028-550R							
	28-5AMC	-550							
6R	28-5AMC	-550R							
-6L	28-5AMC	-550							
-1	PBY-5B		2						
-0	PBY-5B		2						
-1	PBY-5A	-550R	1						
	PBY-5A	-550	1						
6R	PBY-5A	-550R	1						
-6L	PBY-5A	-550	1						
-1	PBY-5	-55R							
	PBY-5	-55R							
-1	PBY-5	-55							
	PBY-5	28B1028-55							
-1	PBY-4	28B1028-1							
	PBY-4	28B1028-1							
-1	PBY-4	28B1028							
	PBY-4	28B1028							
-1	PBY-3	28B1028-1							
	PBY-3	28B1028-1							
-1	PBY-3	28B1028							
	PBY-3	28B1028							
-1	PBY-2	28B1028-1							
	PBY-2	28B1028-1							
-1	PBY-2	28B1028							
	PBY-2	28B1028							
-1	PBY-1	28B1028-1							
	PBY-1	28B1028-1							
-1	PBY-1	28B1028							
	PBY-1	28B1028							
REQUIREMENTS PER AIRPLANE				MAT.	PARTS LIST PER ASSY.				

REPLACES 28B099 OF 2-22-34 — APP. 10-21-35 DATE

REPLACED BY

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32

[redacted]

CALC. WT. 30 — ACT. WT.

SCALE 6" = 1'-0"

AC

MATERIAL	SPEC.	HEAT TREAT	FINISH	DRAFT	CHECK	EXAM.	ENG.
NAVAL ALL. SH'T	47A10 COND. A	SR-53 COND. T	NOTED	B.I.O. 10-4-35 3-8-37		MILLER	

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

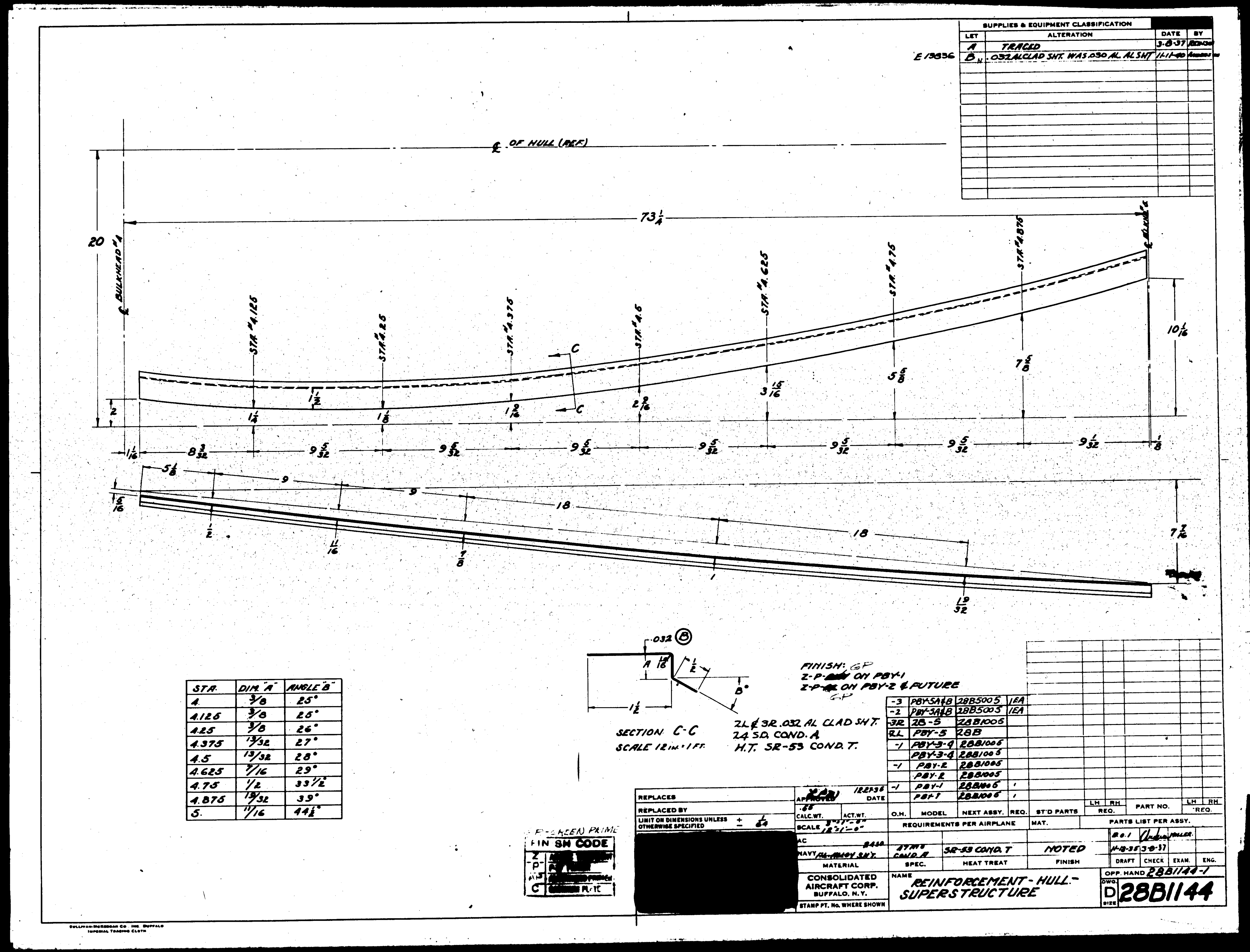
STAMP PT. No. WHERE SHOWN

NAME BRACE-HULL-LOWER BEACHING GEAR FITTING

OPP. HAND 28B1099-1

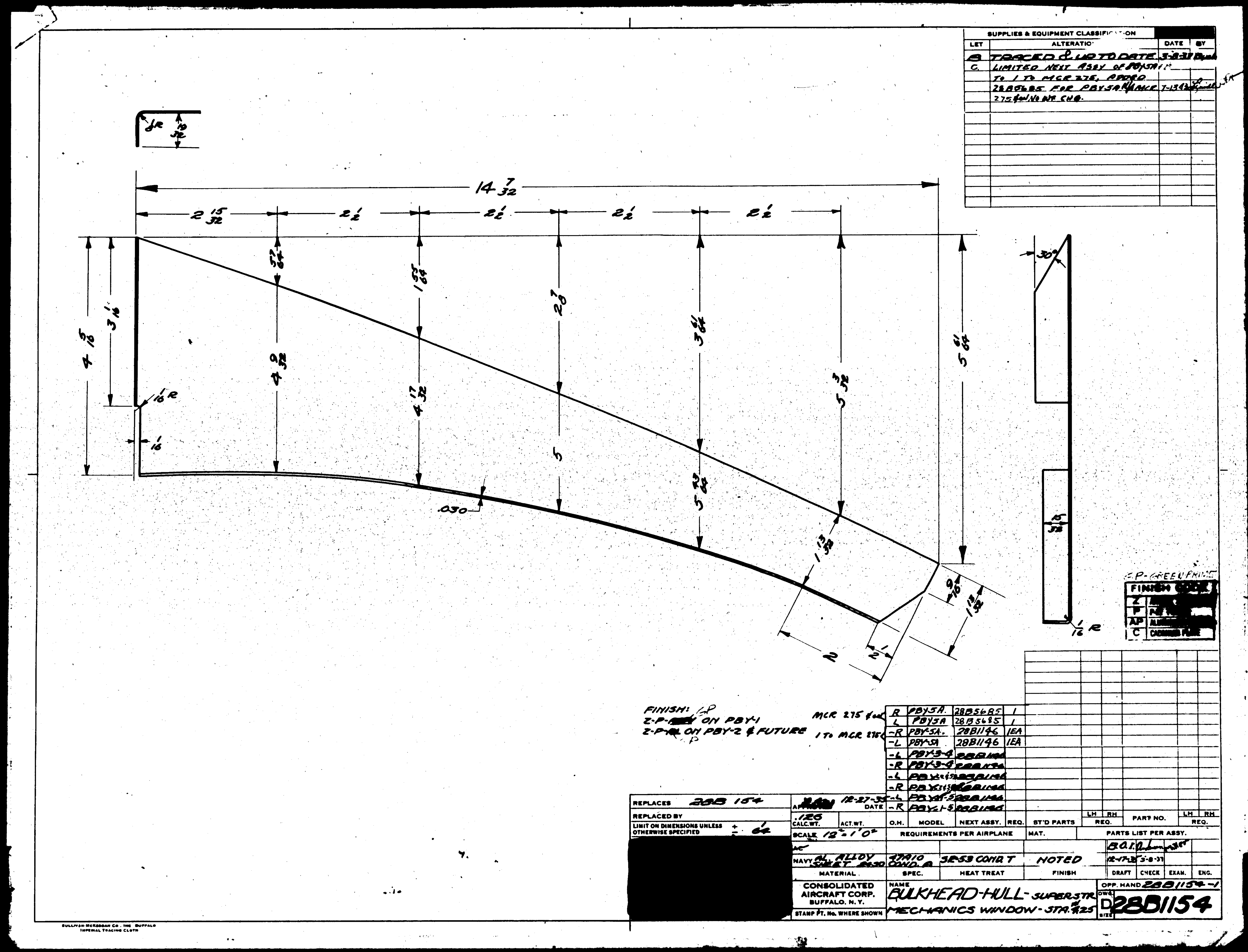
DWG. SIZE D 28B1099

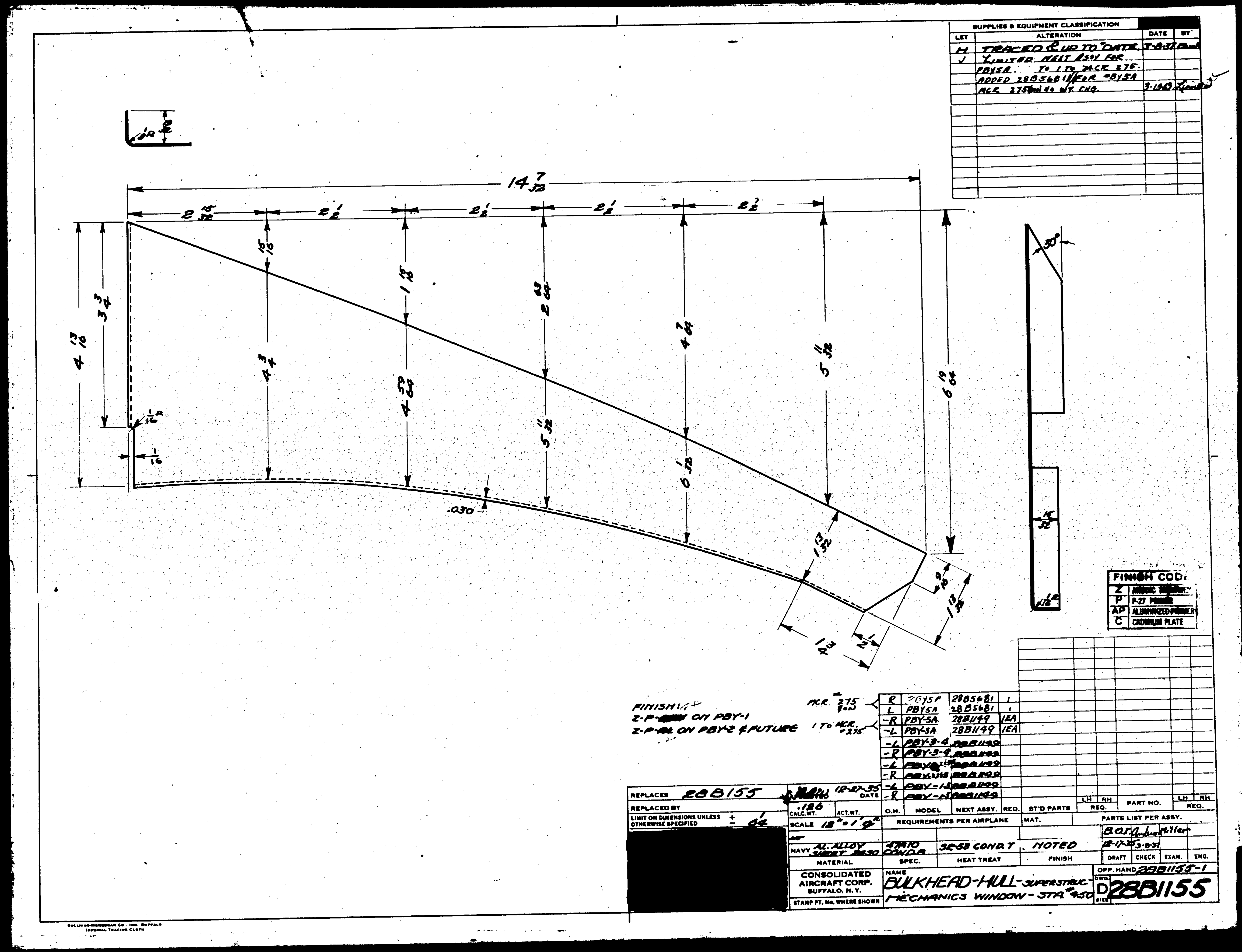
SULLIVAN-McKEEGAN CO., INC. BUFFALO
IMPERIAL TRACING CLOTH



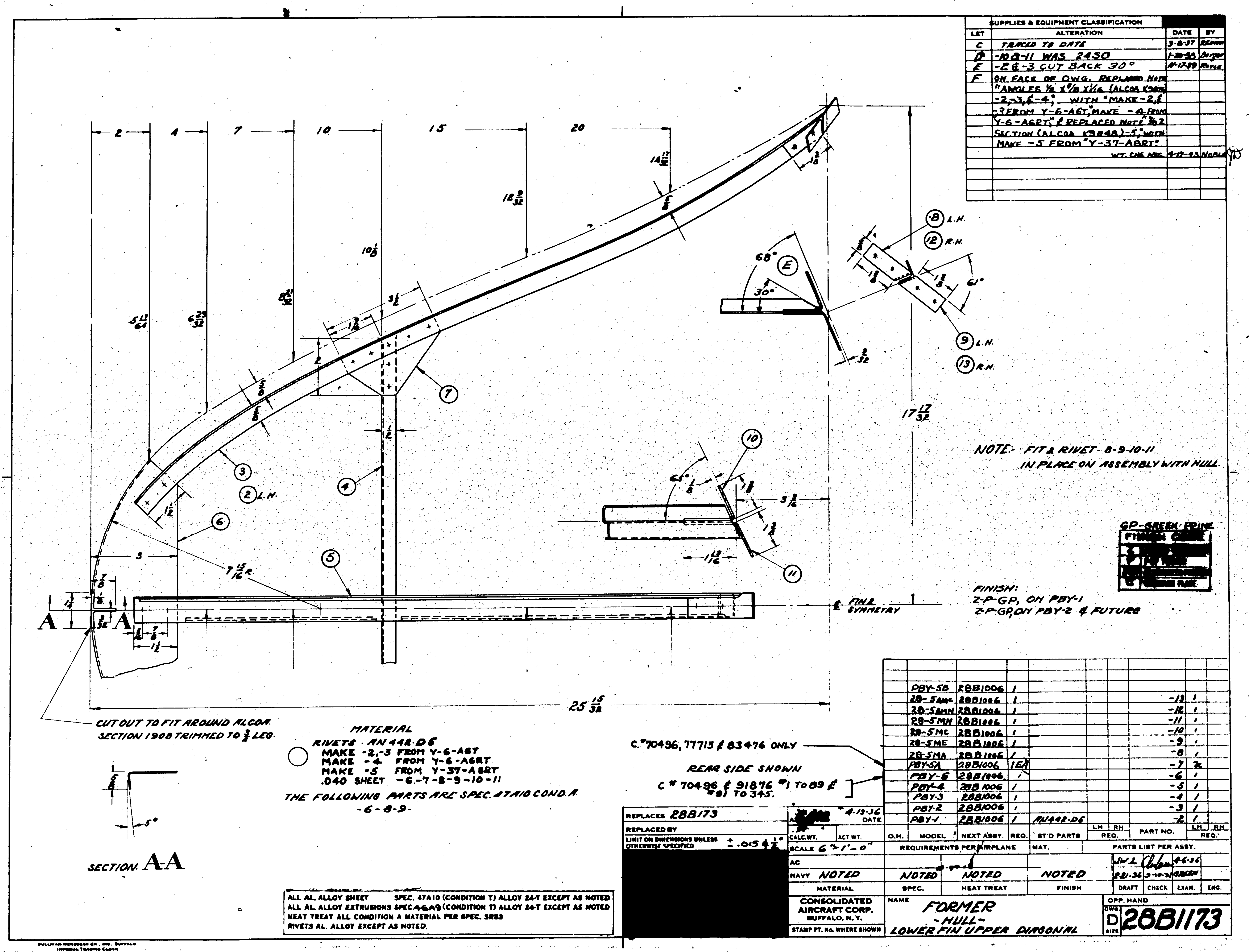
STA.	DIM. "A"	ANGLE "B"
4.	3/8	25°
4.125	3/8	25°
4.25	3/8	26°
4.375	13/32	27°
4.5	13/32	28°
4.625	7/16	29°
4.75	1/2	33 1/2°
4.875	19/32	39°
5.	11/16	44 1/2°

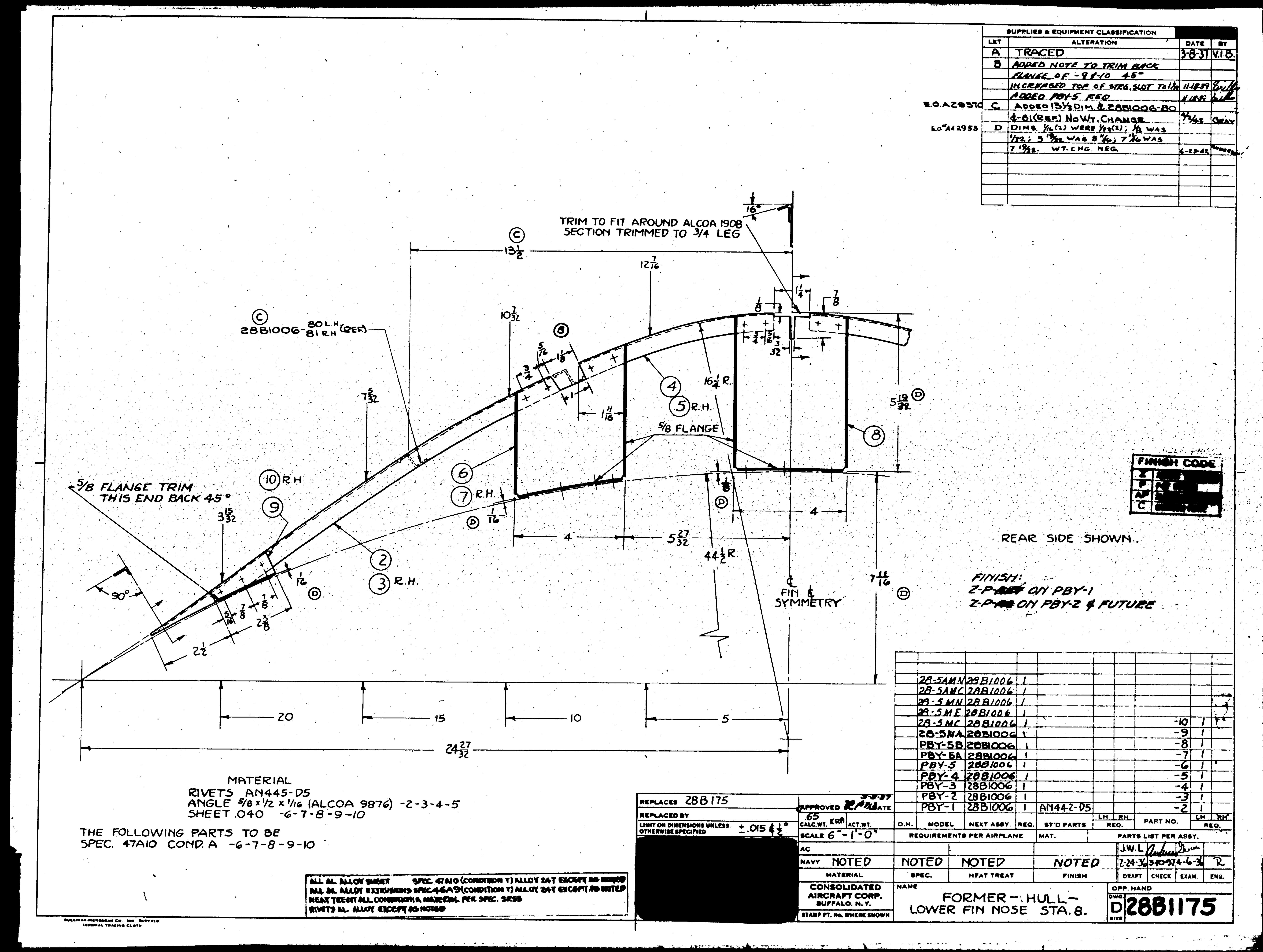
	MODEL	NEXT ASSY.	REQ.
-3	PBY-5A & B	28B5005	1EA
-2	PBY-5A & B	28B5005	1EA
3R	28-5	28B1005	
2L	PBY-5	28B	
-1	PBY-3-4	28B1005	
	PBY-3-4	28B1005	
-1	PBY-2	28B1005	
	PBY-2	28B1005	
-1	PBY-1	28B1005	1
	PBY-1	28B1005	1

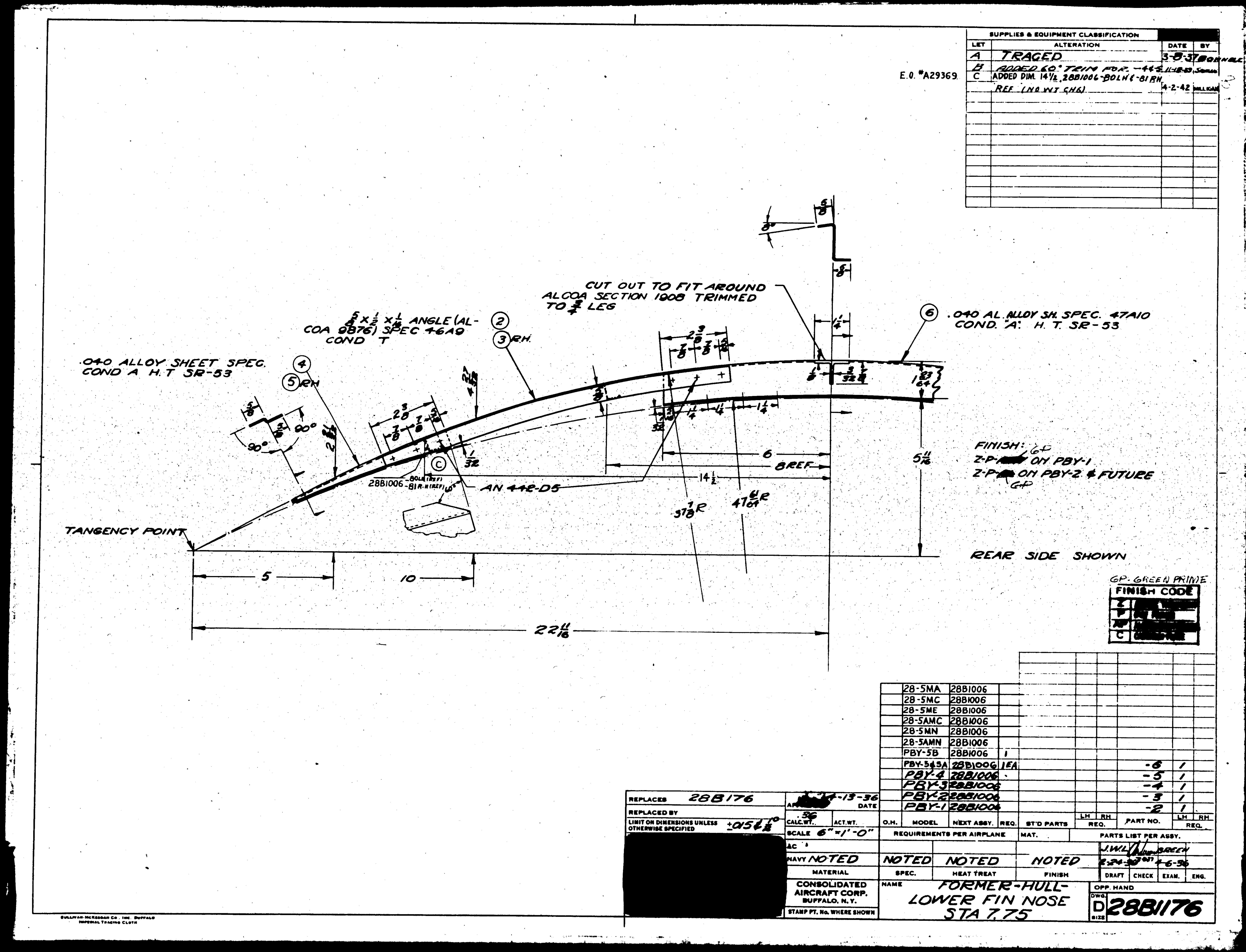

SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
B TRACED & UP TO DATE 3-8-37
C. LIMITED NEXT ASSY OF PBY5A
TO 1 TO MCR 275, ADDED
28B5685 FOR PBY5A
275 & NO WT CHG.
14 7/32
2 15/32
2 1/2
2 1/2
2 1/2
2 1/2
4 5/16
3 1/16
1/16 R
1/16
4 9/32
4 17/32
5
5 23/64
5 3/32
5 61/64
.030
1 13/32
9/16
2
1/2
30°
15/32
1/16 R
G.P.-GREEN PRIME
FINISH CODE
Z
P
AP
C
CADMIUM PLATE
FINISH: GP
Z-P- ON PBY-1
Z-P- ON PBY-2 & FUTURE
MCR 275 & on
1 To MCR 275
R PBY5A 28B5685 1
L PBY5A 28B5685 1
-R PBY-5A 28B1146 1EA
-L PBY-5A 28B1146 1EA
-L PBY-3-4
-R PBY-3-4
REPLACES 28B 154
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64
[redacted]
12-27-35
DATE
.126
CALC. WT.
ACT. WT.
SCALE 12" = 1'0"
O.H.
MODEL
NEXT ASSY.
REQ.
ST'D PARTS
LH RH REQ.
PART NO.
LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
NAVY AL. ALLOY SHEET
24ST
COND. A
SR-53 COND T
NOTED
12-17-35
3-8-37
MATERIAL
SPEC.
HEAT TREAT
FINISH
DRAFT
CHECK
EXAM.
ENG.
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N. Y.
STAMP PT. No. WHERE SHOWN
NAME
BULKHEAD-HULL-SUPERSTR
MECHANICS WINDOW-STA. 4.25
OPP. HAND 28B1154-1
DWG.
D
SIZE
28B1154
SULLIVAN-McKEOGAN CO. INC. BUFFALO
IMPERIAL TRACING CLOTH



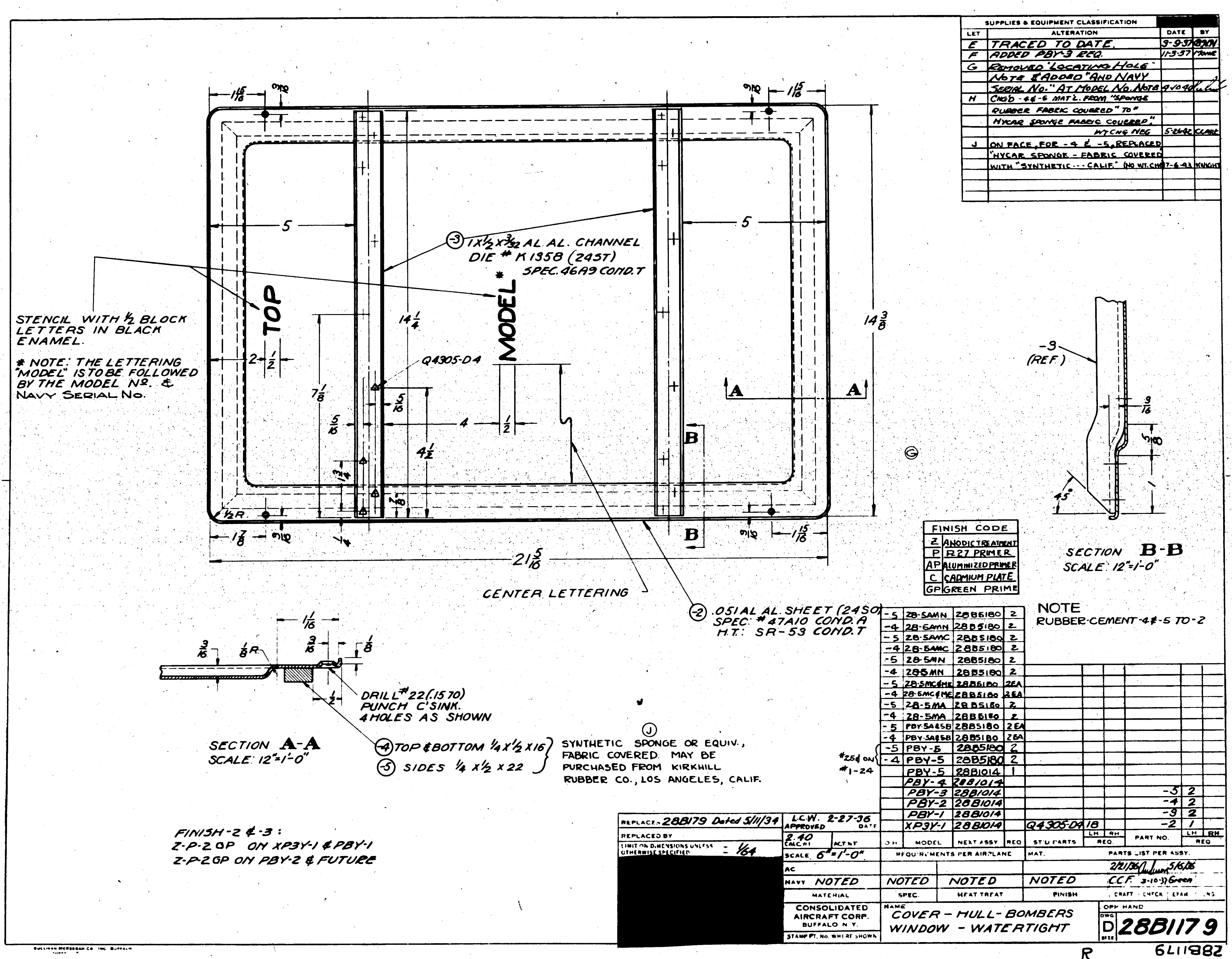
SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
H TRACED & UP TO DATE
J LIMITED NEXT ASSY FOR PBY5A TO 1 TO ACR 275. ADDED 28B5681 FOR PBY5A ACR 275 & ON
FINISH CODE
Z
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
FINISH
Z-P ON PBY-1
Z-P ON PBY-2 & FUTURE
REPLACES 28B155
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64
CALC. WT. .126
ACT. WT.
SCALE 1/2" = 1"
NAVY AL. ALLOY SHEET
SPEC.
MATERIAL
HEAT TREAT
FINISH NOTED
O.H.
MODEL
NEXT ASSY.
REQ.
ST'D PARTS
REQUIREMENTS PER AIRPLANE
MAT.
PART NO.
PARTS LIST PER ASSY.
DRAFT
CHECK
EXAM.
ENG.
OPP. HAND 28B1155-1
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME BULKHEAD-HULL-SUPERSTRUC-MECHANICS WINDOW-STA. 450
D 28B1155
[redacted]
SULLIVAN-McKEOGAN CO., INC. BUFFALO
IMPERIAL TRACING CLOTH


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C | TRACED TO DATE | 3-8-37
D | -10 & -11 WAS 24SO
E | -2 & -3 CUT BACK 30°
F | ON FACE OF DWG. REPLACED NOTE "ANGLES 1/2 X 5/8 X 1/16 (ALCOA K) -2, -3, & -4," WITH "MAKE -2, & -3 FROM Y-6-A6T," MAKE -4 FROM Y-6-A6RT," & REPLACED NOTE "Z SECTION (ALCOA K3048) -5," WITH MAKE -5 FROM "Y-37-A8RT"
WT. CHG NEG. 4-17-43 NOBLE
NOTE:- FIT & RIVET -8-9-10-11 IN PLACE ON ASSEMBLY WITH HULL.
FINISH:
Z-P-GP, ON PBY-1
Z-P-GP, ON PBY-2 & FUTURE
GP-GREEN PRIME
℄ FIN & SYMMETRY
CUT OUT TO FIT AROUND ALCOA SECTION 1908 TRIMMED TO 3/4 LEG.
SECTION AA
MATERIAL
RIVETS AN442-D6
MAKE -2,-3 FROM Y-6-A6T
MAKE -4 FROM Y-6-A6RT
MAKE -5 FROM Y-37-A8RT
.040 SHEET -6.-7-8-9-10-11
THE FOLLOWING PARTS ARE SPEC. 47A10 COND. A. -6-8-9-
C.#70496, 77715 & 83476 ONLY
REAR SIDE SHOWN
C# 70496 & 91876 #1 TO 89 & #91 TO 345.
ALL AL. ALLOY SHEET SPEC. 47A10 (CONDITION T) ALLOY 24-T EXCEPT AS NOTED
ALL AL. ALLOY EXTRUSIONS SPEC 46A9 (CONDITION T) ALLOY 24-T EXCEPT AS NOTED
HEAT TREAT ALL CONDITION A MATERIAL PER SPEC. SR83
RIVETS AL. ALLOY EXCEPT AS NOTED.
PBY-5B 28B1006 1
28-5AMC 28B1006 1 -13 1
28-5AMN 28B1006 1 -12 1
28-5MN 28B1006 1 -11 1
28-5MC 28B1006 1 -10 1
28-5ME 28B1006 1 -9 1
28-5MA 28B1006 1 -8 1
PBY-5A 28B1006 1EA -7 2
PBY-6 28B1006 1 -6 1
PBY-4 28B1006 1 -5 1
PBY-3 28B1006 1 -4 1
PBY-2 28B1006 1 -3 1
PBY-1 28B1006 1 AN442-D6 -2 1
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
REPLACES 28B173
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±.015 & 1/2°
4-13-36 DATE
CALC.WT. ACT.WT.
SCALE 6" = 1'-0"
AC
NAVY NOTED NOTED NOTED NOTED
MATERIAL SPEC. HEAT TREAT FINISH
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME FORMER -HULL- LOWER FIN UPPER DIAGONAL
OPP. HAND
DWG. D SIZE 28B1173
SULLIVAN-McKEOGAN CO., INC. BUFFALO
IMPERIAL TRACING CLOTH


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A TRACED 3-8-37 V.I.B.
B ADDED NOTE TO TRIM BACK FLANGE OF -9 & -10 45°
INCREASED TOP OF STIG. SLOT TO 1/8
ADDED PBY-5 REQ
E.O.A29310 C ADDED 13 1/2 DIM. & 28B1006-80 & -81 (REF) NO WT. CHANGE
E.O.#A42955 D DIMS. 1/16 (2) WERE 1/32 (2); 1/8 WAS 1/32; 5 19/32 WAS 5 9/16; 7 11/16 WAS 7 19/32. WT. CHG. NEG.
TRIM TO FIT AROUND ALCOA 1908 SECTION TRIMMED TO 3/4 LEG
28B1006-80 L.H. 81 R.H. (REF)
5/8 FLANGE TRIM THIS END BACK 45°
5/8 FLANGE
16 1/4 R.
44 1/2 R.
FIN & SYMMETRY
REAR SIDE SHOWN.
FINISH CODE
FINISH: Z-P ON PBY-1 Z-P ON PBY-2 & FUTURE
MATERIAL
RIVETS AN445-D5
ANGLE 5/8 x 1/2 x 1/16 (ALCOA 9876) -2-3-4-5
SHEET .040 -6-7-8-9-10
THE FOLLOWING PARTS TO BE SPEC. 47A10 COND. A -6-7-8-9-10
ALL AL. ALLOY SHEET SPEC. 47A10 (CONDITION T) ALLOY 24T EXCEPT AS NOTED
ALL AL. ALLOY EXTRUSIONS SPEC. 46A9 (CONDITION T) ALLOY 24T EXCEPT AS NOTED
HEAT TREAT ALL CONDITION A MATERIAL PER SPEC.
RIVETS AL. ALLOY EXCEPT AS NOTED
28-5AMN 28B1006 1
28-5AMC 28B1006 1
28-5MN 28B1006 1
28-5ME 28B1006 1
28-5MC 28B1006 1 -10 1
28-5MA 28B1006 1 -9 1
PBY-5B 28B1006 1 -8 1
PBY-5A 28B1006 1 -7 1
PBY-5 28B1006 1 -6 1
PBY-4 28B1006 1 -5 1
PBY-3 28B1006 1 -4 1
PBY-2 28B1006 1 -3 1
PBY-1 28B1006 1 AN442-D5 -2 1
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
REPLACES 28B175
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±.015 & 1/2°
APPROVED DATE 3-8-37
.65 CALC.WT. ACT.WT.
SCALE 6" = 1'-0"
[redacted]
NAVY NOTED NOTED NOTED NOTED
MATERIAL SPEC. HEAT TREAT FINISH
J.W.L. 2-24-36 3-10-37 4-6-36 R
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME FORMER - HULL - LOWER FIN NOSE STA. 8.
OPP. HAND
DWG. SIZE D 28B1175
SULLIVAN-McKEOGAN CO. INC. BUFFALO IMPERIAL TRACING CLOTH



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED | 3-8-37
B | ADDED 60° TRIM FOR -4 & 5 | 11-18-39
C | ADDED DIM. 14 1/2, 28B1006-80LH & -81RH REF (NO WT CHG) | 4-2-42
E.O. #A29369
CUT OUT TO FIT AROUND ALCOA SECTION 1908 TRIMMED TO 3/4 LEG
5/8 x 1/2 x 1/16 ANGLE (ALCOA 9876) SPEC 46A9 COND T
(2)
(3) RH
(6) .040 AL. ALLOY SH. SPEC. 47A10 COND. "A". H. T. SR-53
.040 ALLOY SHEET SPEC. COND A H.T SR-53
(4)
(5) RH
90°
90°
28B1006 -80LH (REF) -81RH (REF)
(C)
AN 442-D5
6
8 REF
14 1/2
37 7/8 R
47 11/64 R
5 11/16
TANGENCY POINT
5
10
22 11/16
FINISH: GP
Z-P-[redacted] ON PBY-1
Z-P-[redacted] ON PBY-2 & FUTURE GP
REAR SIDE SHOWN
GP-GREEN PRIME
FINISH CODE
Z
P
AP
C
28-5MA 28B1006
28-5MC 28B1006
28-5ME 28B1006
28-5AMC 28B1006
28-5MN 28B1006
28-5AMN 28B1006
PBY-5B 28B1006 1
PBY-5&5A 28B1006 1EA -6 1
PBY-4 28B1006 -5 1
PBY-3 28B1006 -4 1
PBY-2 28B1006 -3 1
PBY-1 28B1006 -2 1
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
REPLACES 28B176
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±.015 ±1/16
-13-36 DATE
CALC.WT. .36 ACT.WT.
SCALE 6" = 1'-0"
[redacted]
NAVY NOTED
MATERIAL
NOTED SPEC.
NOTED HEAT TREAT
NOTED FINISH
J.W.L. GREEN
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME FORMER-HULL-LOWER FIN NOSE STA 7.75
OPP. HAND
DWG. D SIZE 28B1176
SULLIVAN-McKEOGH Co., INC. BUFFALO IMPERIAL TRACING CLOTH



SUPPLIES & EQUIPMENT CLASSIFICATION [redacted]

LET	ALTERATION	DATE	BY
E	TRACED TO DATE.	9-9-37	[illegible]
F	ADDED PBY-3 REQ.	11-3-37	[illegible]
G	REMOVED "LOCATING HOLE" NOTE & ADDED "AND NAVY SERIAL NO." AT MODEL NO. NOTE	9-10-40	[illegible]
H	CHG'D -4 & -5 MAT'L. FROM "SPONGE RUBBER FABRIC COVERED" TO "HYCAR SPONGE FABRIC COVERED". WT CHG NEG	5-26-42	CLARK
J	ON FACE, FOR -4 & -5, REPLACED "HYCAR SPONGE - FABRIC COVERED" WITH "SYNTHETIC --- CALIF." (NO WT. CHG)	7-6-43	KNIGHT

STENCIL WITH 1/2 BLOCK LETTERS IN BLACK ENAMEL.
* NOTE: THE LETTERING "MODEL" IS TO BE FOLLOWED BY THE MODEL NO. & NAVY SERIAL NO.
TOP
MODEL *
-3 1 X 1/2 X 3/32 AL. AL. CHANNEL DIE # K1358 (24ST) SPEC. 46A9 COND. T
Q4305-D4
CENTER LETTERING
-2 .051 AL. AL. SHEET (24SO) SPEC. #47A10 COND. A H.T.: SR-53 COND. T
1/2 R.
5
14 1/4
14 3/8
21 5/16
A
B
-3 (REF.)
45°
SECTION B-B
SCALE: 12"=1'-0"

FINISH CODE
Z	ANODIC TREATMENT
P	R27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE
GP	GREEN PRIME

NOTE
RUBBER-CEMENT -4 & -5 TO -2

DRILL #22 (.1570) PUNCH C'SINK. 4 HOLES AS SHOWN
SECTION A-A
SCALE: 12"=1'-0"
-4 TOP & BOTTOM 1/4 X 1/2 X 16
-5 SIDES 1/4 X 1/2 X 22
SYNTHETIC SPONGE OR EQUIV., FABRIC COVERED. MAY BE PURCHASED FROM KIRKHILL RUBBER CO., LOS ANGELES, CALIF.
#25 & ON #1-24

D.H.	MODEL	NEXT ASSY	REQ
-5	28-5AMN	28B5180	2
-4	28-5AMN	28B5180	2
-5	28-5AMC	28B5180	2
-4	28-5AMC	28B5180	2
-5	28-5MN	28B5180	2
-4	28-5MN	28B5180	2
-5	28-5MC & ME	28B5180	2EA
-4	28-5MC & ME	28B5180	2EA
-5	28-5MA	28B5180	2
-4	28-5MA	28B5180	2
-5	PBY-5A & 5B	28B5180	2EA
-4	PBY-5A & 5B	28B5180	2EA
-5	PBY-5	28B5180	2
-4	PBY-5	28B5180	2
	PBY-5	28B1014	1
	PBY-4	28B1014	
	PBY-3	28B1014	
	PBY-2	28B1014	
	PBY-1	28B1014	
	XP3Y-1	28B1014	

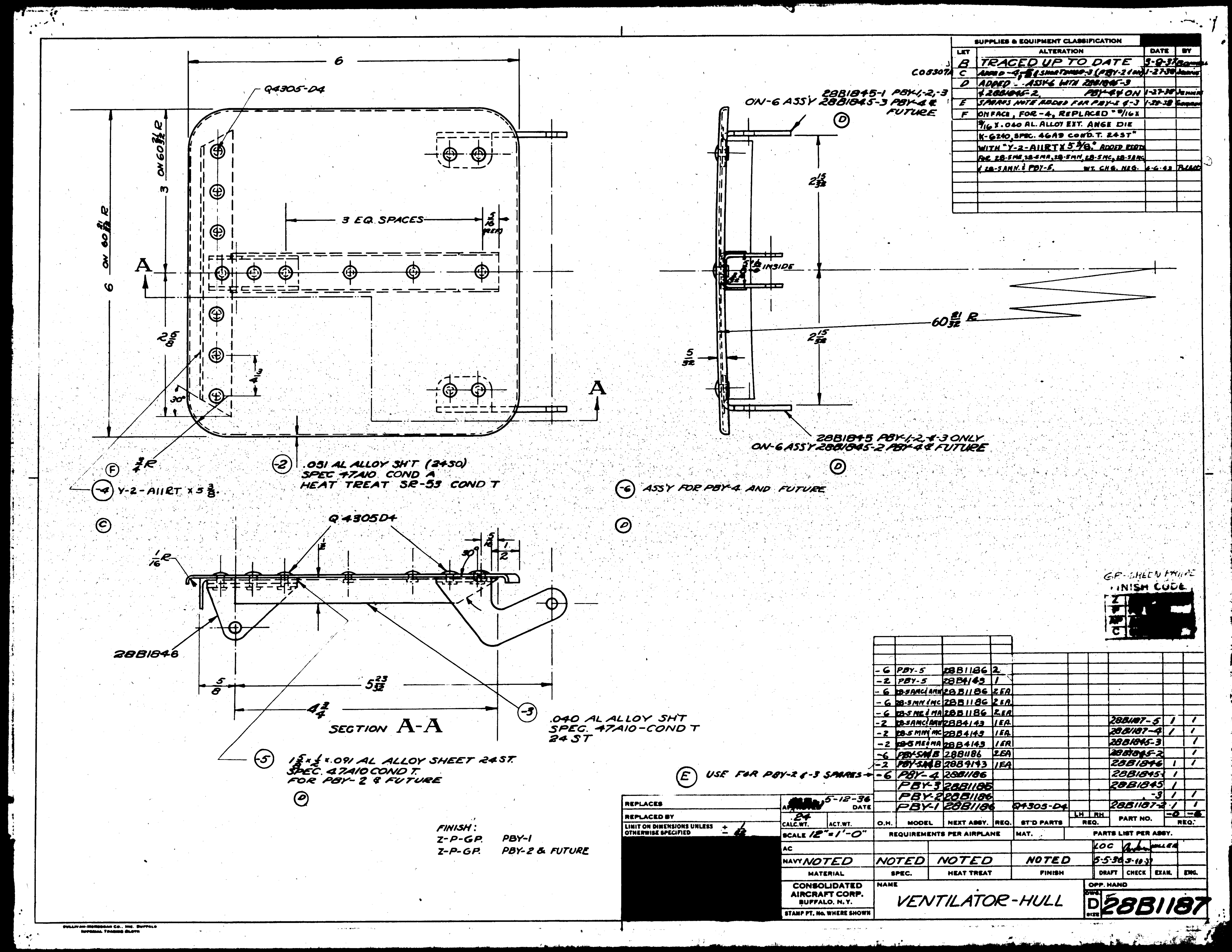
REQUIREMENTS PER AIRPLANE

STD PARTS	REQ. LH	REQ. RH	PART NO.	REQ LH	REQ RH
			-5	2	
			-4	2	
			-3	2	
Q4305-D4	18		-2	1	

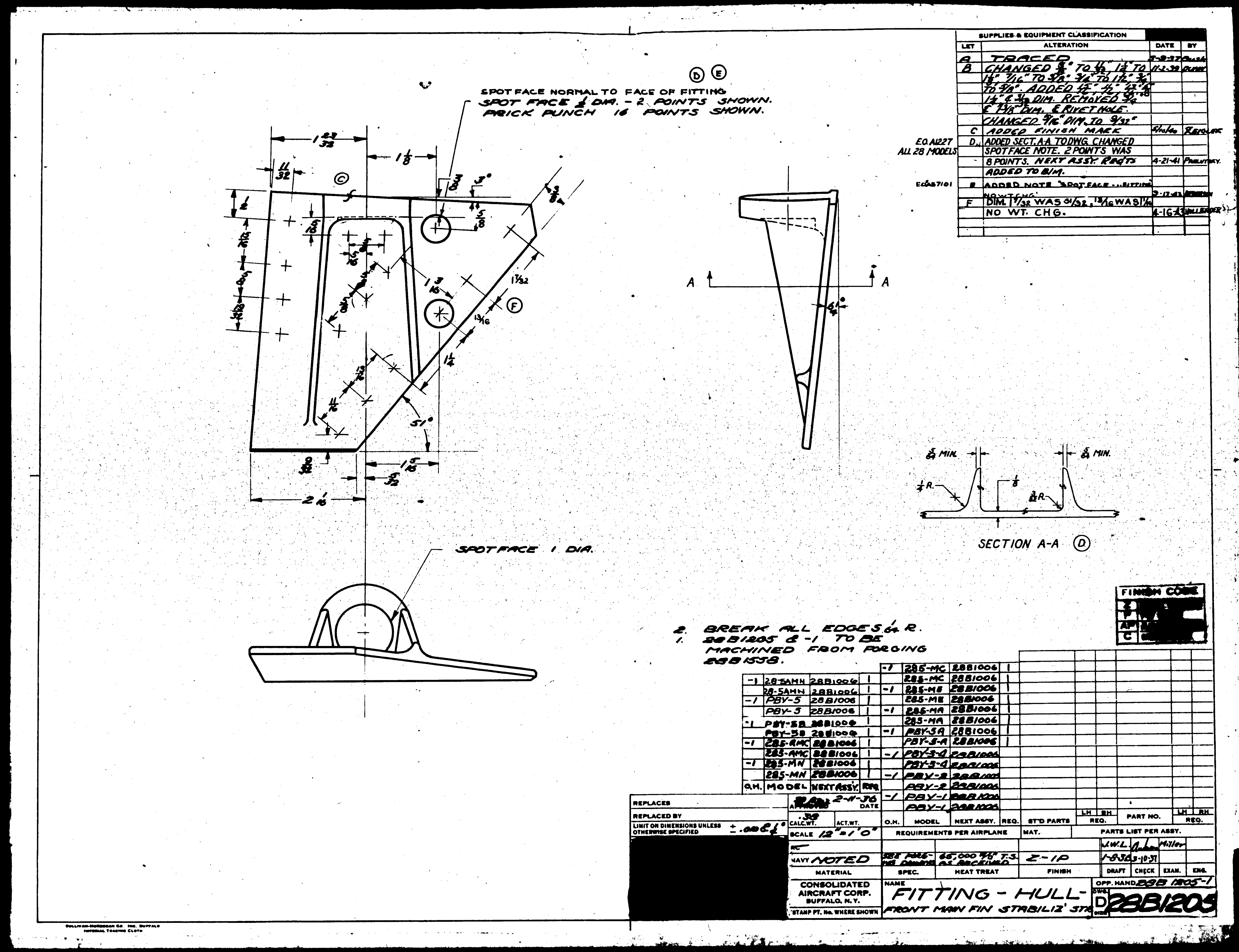
MAT. PARTS LIST PER ASSY.

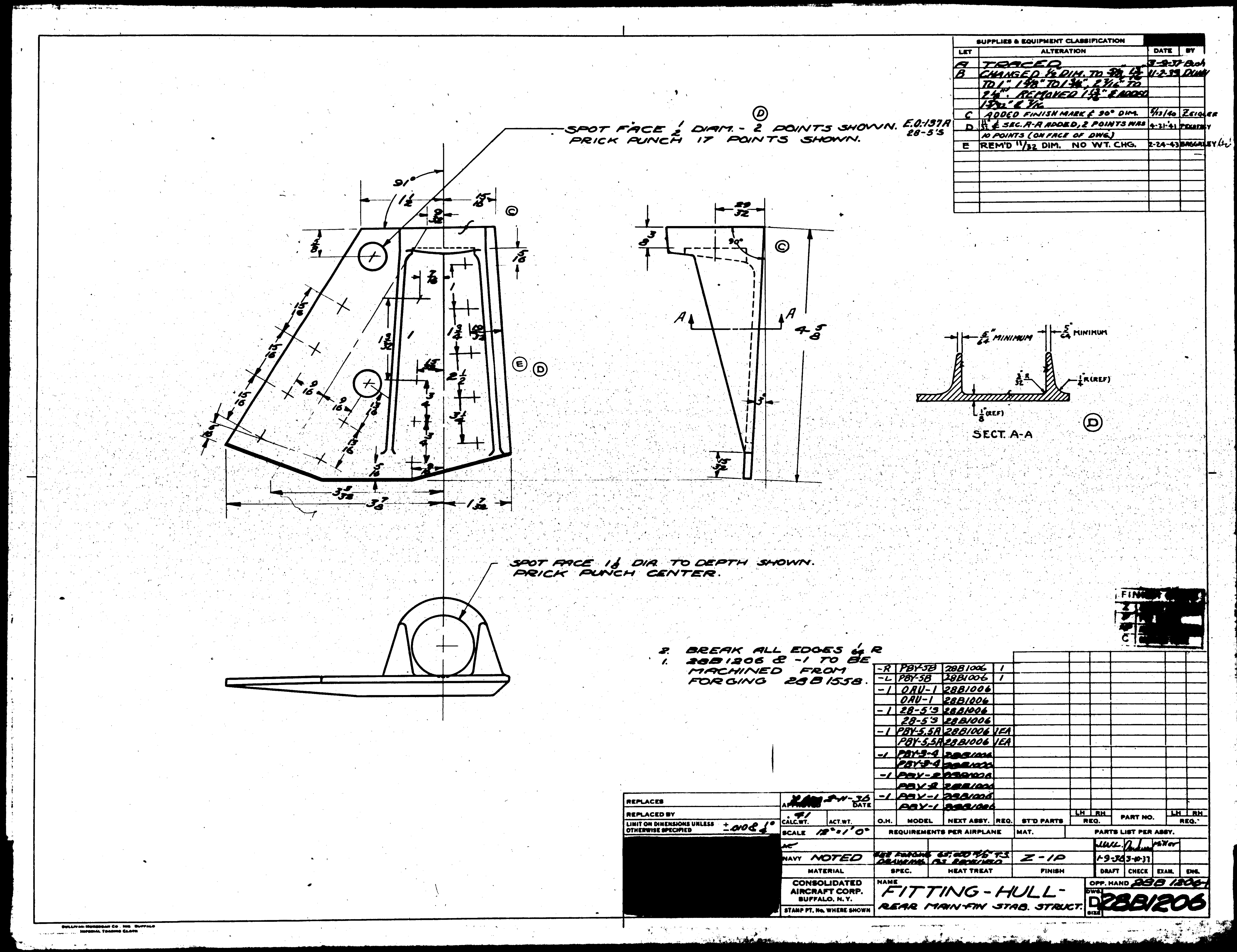
FINISH -2 & -3:
Z-P-2 GP ON XP3Y-1 & PBY-1
Z-P-2 GP ON PBY-2 & FUTURE

REPLACES 28B179 Dated 5/11/34
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64
L.C.W. 2-27-36 APPROVED DATE
2.40 CALC WT / ACT WT
SCALE 6"=1'-0"
[redacted]
AC
NAVY NOTED | NOTED | NOTED | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
2/21/36 5/16/36
C.C.F. 3-10-37 Green
DRAFT CHECK EXAM
CONSOLIDATED AIRCRAFT CORP. BUFFALO N.Y.
STAMP PT. No. WHERE SHOWN
NAME COVER - HULL - BOMBERS WINDOW - WATERTIGHT
OPP HAND
DWG SIZE D 28B1179
R 28B1179
SULLIVAN McGREGAR CO. INC. BUFFALO

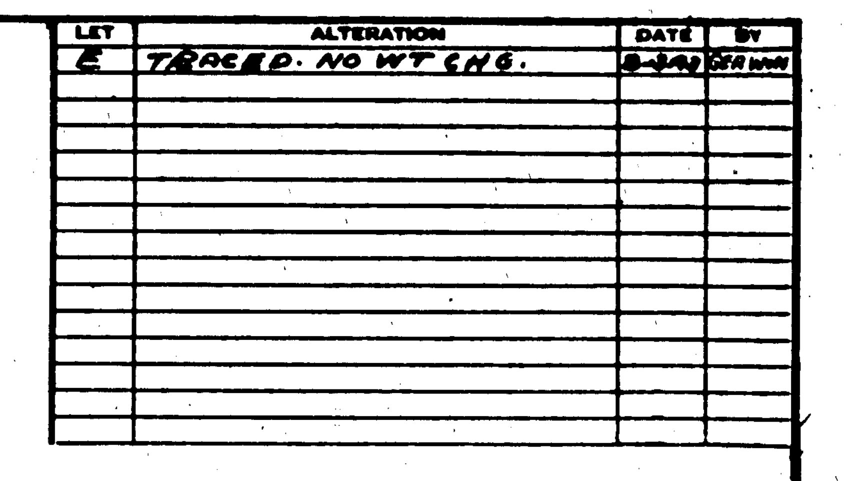


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B TRACED UP TO DATE 3-9-37
C05307A C
D ADDED - ASSY-6 WITH 28B1845-3
& 28B1845-2, PBY-4 & ON 1-27-38
E SPARES NOTE ADDED FOR PBY-2 & -3 1-28-38
F ON FACE, FOR -4, REPLACED "9/16 X
9/16 X .040 AL. ALLOY EXT. ANGLE DIE
K-6240, SPEC. 46A9 COND. T. 24ST"
WITH "Y-2-A11RT X 5 3/8" ADDED
FOR 28-5ME, 28-5MA, 28-5MN, 28-5MC, 28-5AMC
& 28-5AMN. & PBY-5. WT. CHG. NEG. 4-6-43
6
Q4305-D4
3 EQ. SPACES
5/16 (REF)
ON 60 21/32 R
3
6
2 5/8
4 1/16
30°
3/4 R
A
F
-4 Y-2-A11RT x 5 3/8.
C
-2 .051 AL ALLOY SH'T (24SO)
SPEC 47A10 COND A
HEAT TREAT SR-53 COND T
28B1845-1 PBY-1,-2,-3
ON-6 ASSY 28B1845-3 PBY-4 & FUTURE
D
2 15/32
5/16 INSIDE
60 21/32 R
5/32
28B1845 PBY-1,-2,&-3 ONLY
ON-6 ASSY 28B1845-2 PBY-4 & FUTURE
-6 ASSY FOR PBY-4 AND FUTURE
Q 4305D4
1/16 R
1/2
5/16
1/2
30°
28B1846
5/8
5 23/32
4 3/4
SECTION A-A
-3 .040 AL ALLOY SHT
SPEC. 47A10-COND T
24 ST
-5 1 5/8 x 1/2 x .091 AL ALLOY SHEET 24ST.
SPEC. 47A10 COND T.
FOR PBY-2 & FUTURE
E USE FOR PBY-2 & -3 SPARES
FINISH:
Z-P-GP. PBY-1
Z-P-GP. PBY-2 & FUTURE
G.P. - GREEN PRIME
FINISH CODE
Z [redacted]
C
-6 PBY-5 28B1186 2
-2 PBY-5 28B4143 1
-6 28-5AMC & AMN 28B1186 2EA
-6 28-5MN & MC 28B1186 2EA
-6 28-5ME & MA 28B1186 2EA
-2 28-5AMC & AMN 28B4143 1EA | 28B1187-5 1 1
-2 28-5MN & MC 28B4143 1EA | 28B1187-4 1 1
-2 28-5ME & MA 28B4143 1EA | 28B1845-3 1
-6 PBY-5A & B 28B1186 2EA | 28B1845-2 1
-2 PBY-5A & B 28B4143 1EA | 28B1846 1 1
-6 PBY-4 28B1186 | 28B1845-1 1
PBY-3 28B1185 | 28B1845 1
PBY-2 28B1186 | -3 1 1
PBY-1 28B1186 Q4305-D4 | 28B1187-2 1 1
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. -0 -6 REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64
5-12-36 DATE
24 CALC.WT. ACT.WT.
SCALE 12" = 1'-0"
AC
NAVY NOTED NOTED NOTED NOTED
MATERIAL SPEC. HEAT TREAT FINISH
LOC
5-5-36 3-10-37
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME VENTILATOR-HULL
OPP. HAND
DWG. SIZE D 28B1187
SULLIVAN-McGREGOR Co., INC. BUFFALO
IMPERIAL TRACING CLOTH

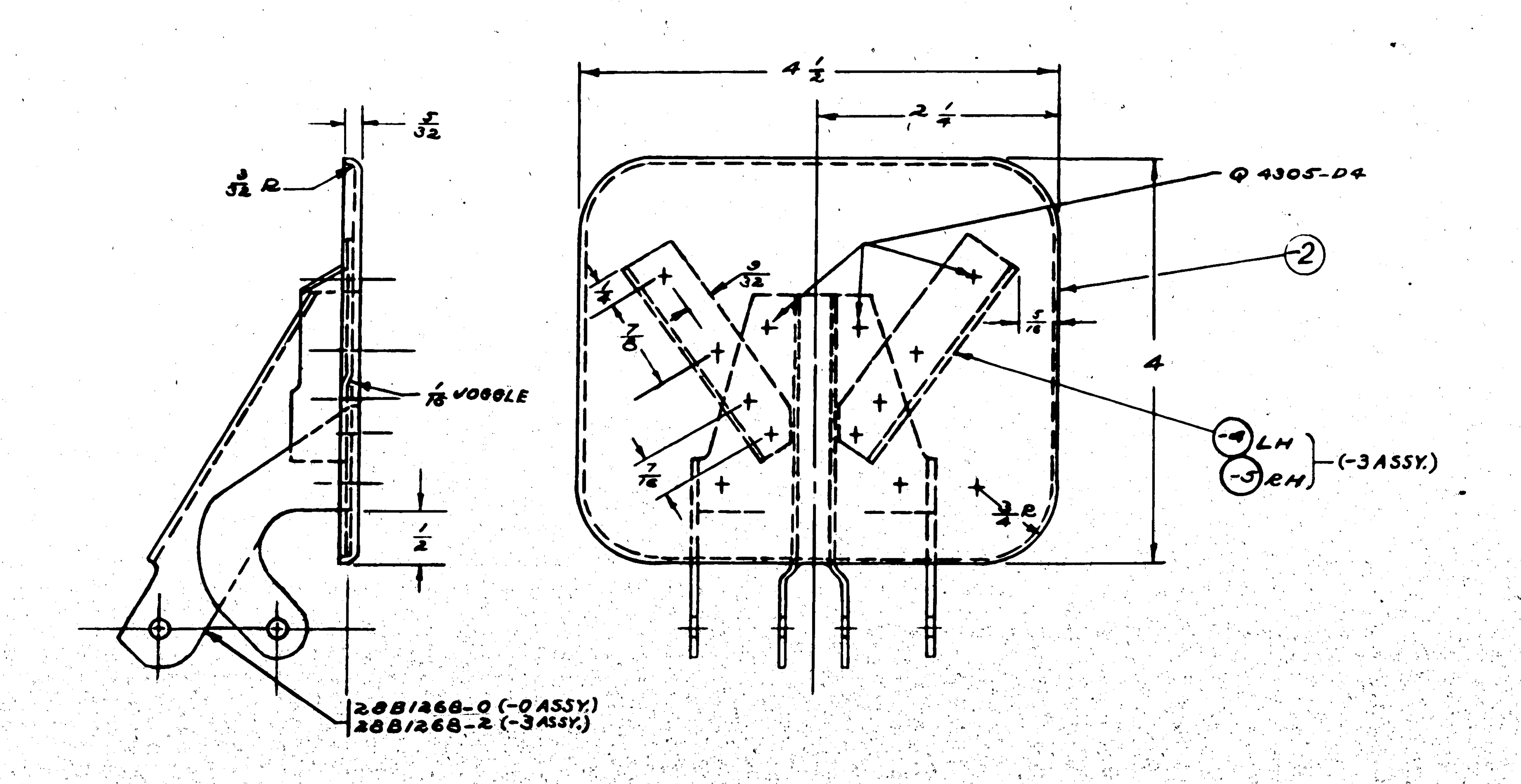

SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A TRACED
B CHANGED
C ADDED FINISH MARK
E.O. A1227 ALL 28 MODELS
D ADDED SECT. A-A TO DWG. CHANGED SPOT FACE NOTE. 2 POINTS WAS 8 POINTS. NEXT ASSY. REQ'TS ADDED TO DIM.
4-21-41
E ADDED NOTE "SPOT FACE ... FITTING"
NO WT. CHG.
F DIM. 1 7/32 WAS 1 1/32, 13/16 WAS 1 1/16
NO WT. CHG.
4-16-43
SPOT FACE NORMAL TO FACE OF FITTING
SPOT FACE 1/2 DIA. - 2 POINTS SHOWN.
PRICK PUNCH 16 POINTS SHOWN.
51°
A
A
SECTION A-A
5/64 MIN.
1/8 R.
SPOT FACE 1 DIA.
2. BREAK ALL EDGES 1/64 R.
1. 28B1205 & -1 TO BE MACHINED FROM FORGING 28B1558.
O.H. | MODEL | NEXT ASSY. | REQ.
28-5AMN 28B1006
PBY-5 28B1006
PBY-5B 28B1006
28S-AMC 28B1006
28S-MN 28B1006
28S-MC 28B1006
28S-ME 28B1006
28S-MA 28B1006
PBY-5A 28B1006
PBY-5-A 28B1006
PBY-3-4 28B1006
PBY-2 28B1006
PBY-1 28B1006
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .005 & 1/2°
CALC. WT. .39 ACT. WT.
SCALE 12" = 1'0"
APPROVED 2-11-36 DATE
REQUIREMENTS PER AIRPLANE
STD PARTS
PARTS LIST PER ASSY.
NAVY NOTED
SEE FORGING DRAWING
65,000 #/□" T.S. AS RECEIVED
Z-1P
MATERIAL | SPEC. | HEAT TREAT | FINISH | DRAFT | CHECK | EXAM. | ENG.
[redacted]
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME FITTING - HULL - FRONT MAIN FIN STABILIZ' STR.
OPP. HAND 28B1205-1
DWG. D 28B1205
FINISH CODE
SULLIVAN-MORGOGAN CO. INC. BUFFALO IMPERIAL TRACING CLOTH



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A TRACED 3-9-37
B CHANGED ½ DIM. TO 1"; 1⅜" TO 1¾", 2 3/16" TO 2¼". REMOVED 1 13/16" & ADDED 1 5/32" & 7/16 11-2-39
C ADDED FINISH MARK & 90° DIM. 5/13/40 ZEIGLER
D 11/32 & SEC. A-A ADDED, 2 POINTS WAS 10 POINTS (ON FACE OF DWG) 4-21-41
E REM'D 11/32 DIM. NO WT. CHG. 2-24-43 BAGGALEY
SPOT FACE ½ DIAM. - 2 POINTS SHOWN. PRICK PUNCH 17 POINTS SHOWN.
E.O.-137A 28-5'S
SECT. A-A
5/64" MINIMUM
5/64" MINIMUM
¼R (REF)
⅛ (REF)
SPOT FACE 1⅛ DIA. TO DEPTH SHOWN. PRICK PUNCH CENTER.
2. BREAK ALL EDGES 1/64 R
1. 28B1206 & -1 TO BE MACHINED FROM FORGING 28B1558.
FIN[redacted]
-R PBY-5B 28B1006 1
-L PBY-5B 28B1006 1
-1 OAU-1 28B1006
OAU-1 28B1006
-1 28-5'S 28B1006
28-5'S 28B1006
-1 PBY-5,5A 28B1006 1EA
PBY-5,5A 28B1006 1EA
-1 PBY-3-4 28B1006
PBY-3-4 28B1006
-1 PBY-2 28B1006
PBY-2 28B1006
-1 PBY-1 28B1006
PBY-1 28B1006
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±.010 & ½°
APPROVED 3-11-36 DATE
.41 CALC. WT. ACT. WT.
SCALE 12"=1'0"
[redacted]
NAVY NOTED
MATERIAL
SEE FORGING DRAWINGS 65,000 #/□" T.S. AS REQUIRED
SPEC. HEAT TREAT
Z-1P
FINISH
1-9-36 3-10-37
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME FITTING - HULL - REAR MAIN-FIN STAB. STRUCT.
OPP. HAND 28B1206-1
DWG. SIZE D 28B1206



LET	ALTERATION	DATE	BY
E	TRACED. NO WT CHG.	[illegible]	[illegible]



FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE

NOTE:

1.) MATERIAL FOR -4 & -5 MAY BE:
   A.) Y-2-A11T X 2 5/8 – OR –
   B.) K-6240 X 2 5/8, AL. ALLOY EXTR., 46A9 - COND. T
2.) USE TOOLS & PARTS NOW MADE UP FOR 28B1998-2

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
-3	PBY-5	28B2150	1
-3	PBY-5A & 6	28B2150	1 EA.
-3	ALL 28-5 & 6	28B2150	1 EA.
-3	PBY 2, 3 & 4	28B2150	1 EA.
-0	PBY-1	28B1275	1

REQUIREMENTS PER AIRPLANE

REPLACES 28B2173-2-24-37	.14 CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64	SCALE 1/2" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 REQ. LH	-0 REQ. RH	-2 REQ. LH	-2 REQ. RH	-3 REQ. LH	-3 REQ. RH	-4 REQ. LH	-4 REQ. RH	-5 REQ. LH	-5 REQ. RH
Q4305-D4													
28B1268-2								1					
28B1268-0				1									
-5	NOTED	NOTED	NOTED					1					
-4	NOTED	NOTED	NOTED					1					
28B1273-2	.051 x 4 7/16 x 4 15/16	AL. AL.	QQ-A-355T	1				1					

PARTS LIST PER ASSY.

A.C.		2-14-37	3-2-37			LCW	
NAVY	Z-R-2-GP	S. VAWN	ANDERSON			2-24-37	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.

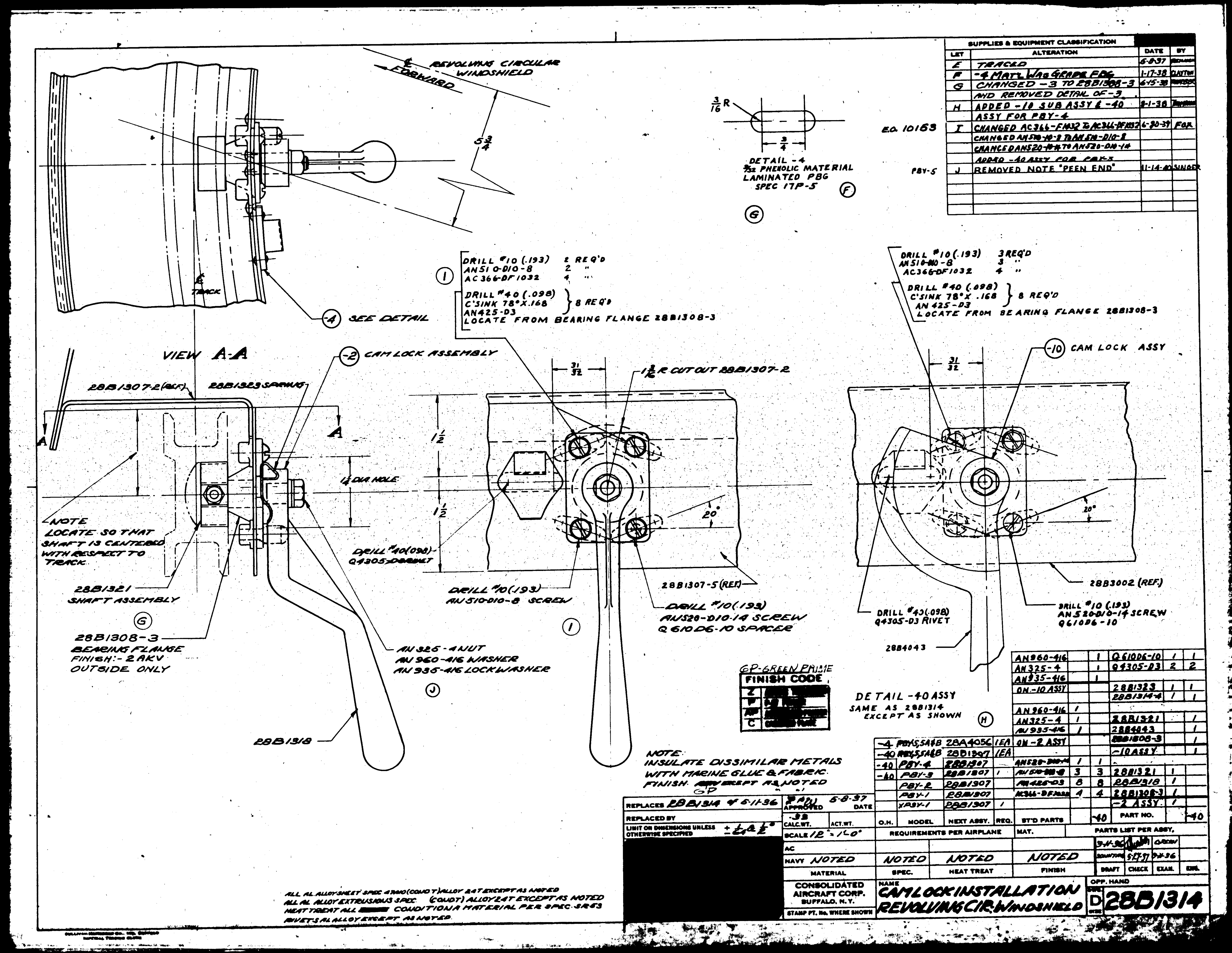
NAME VENTILATOR – HULL NAVIGATOR'S

OPP. HAND ——

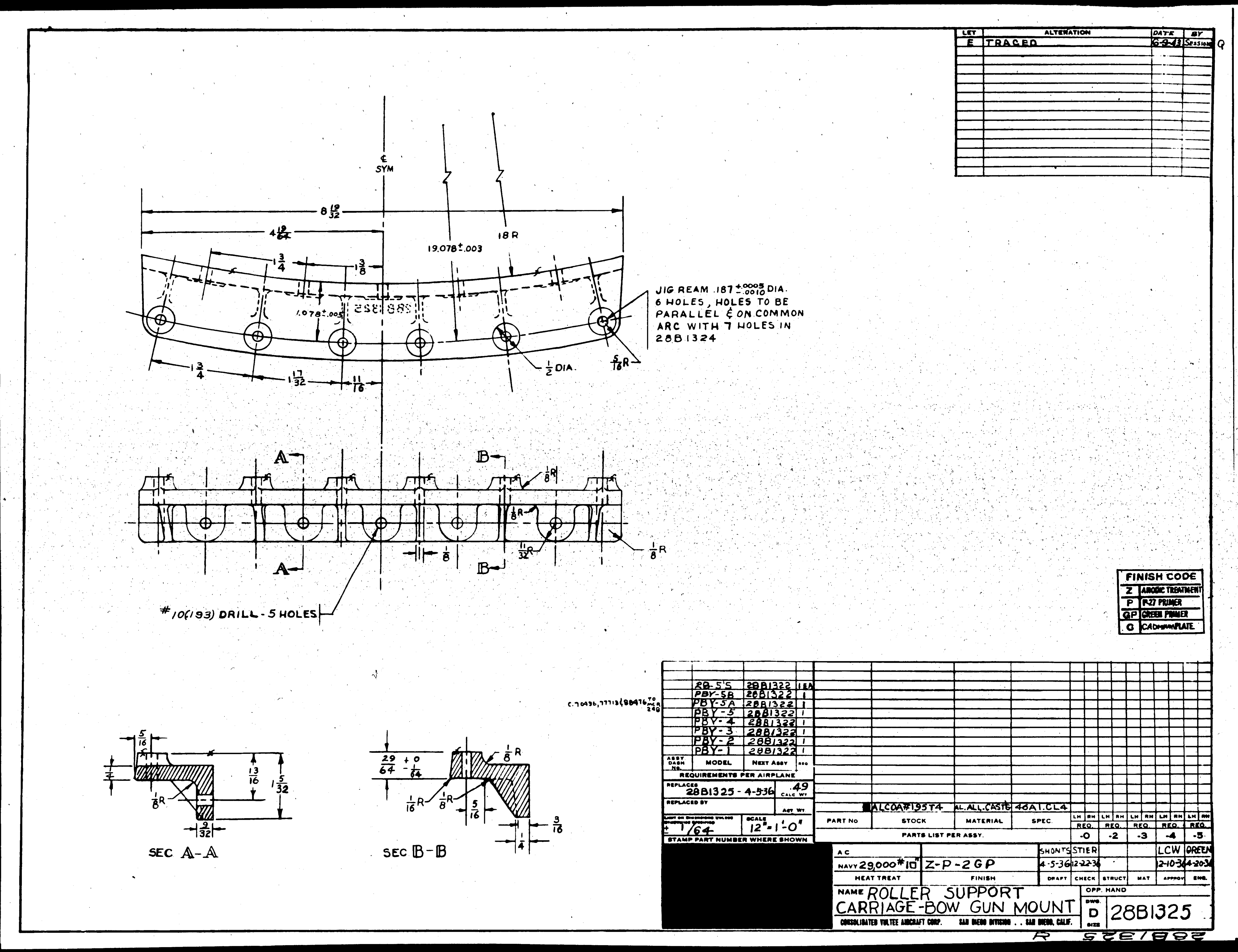
DWG. SIZE D 28B1273

CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.

R 28B1273



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
E TRACED 5-8-37
F -4 MATL WAS GRADE FBG 1-17-38 CLAYTON
G CHANGED -3 TO 28B1308-3 AND REMOVED DETAIL OF -3 6-15-38
H ADDED -10 SUB ASSY & -40 ASSY FOR PBY-4 9-1-38
E.O. 10163
I CHANGED AC366-FM32 TO AC366-DF1032 CHANGED AN510-10-8 TO AN510-D10-8 CHANGED AN520-10-14 TO AN520-D10-14 ADDED -40 ASSY FOR PBY-5 6-30-39 FOX
PBY-5
J REMOVED NOTE "PEEN END" 11-14-40 SINGER
℄ REVOLVING CIRCULAR WINDSHIELD
FORWARD
5 3/4
℄ TRACK
-4 SEE DETAIL
VIEW A-A
3/16 R
3/4
DETAIL -4
5/32 PHENOLIC MATERIAL LAMINATED PBG SPEC 17P-5
F
G
1
DRILL #10 (.193) 2 REQ'D
AN510-D10-8 2
AC366-DF1032 4
DRILL #40 (.098)
C'SINK 78° X .168
AN425-D3
8 REQ'D
LOCATE FROM BEARING FLANGE 28B1308-3
DRILL #10 (.193) 3 REQ'D
AN510-D10-8 3
AC366-DF1032 4
DRILL #40 (.098)
C'SINK 78° X .168
AN 425-D3
8 REQ'D
LOCATE FROM BEARING FLANGE 28B1308-3
-2 CAM LOCK ASSEMBLY
-10 CAM LOCK ASSY
28B1307-2 (REF.)
28B1323 SPRING
A
A
1/4 DIA HOLE
31/32
1 3/16 R CUT OUT 28B1307-2
31/32
1 1/2
1 1/2
20°
20°
NOTE
LOCATE SO THAT SHAFT IS CENTERED WITH RESPECT TO TRACK.
28B1321 SHAFT ASSEMBLY
G
28B1308-3
BEARING FLANGE
FINISH:- 2AKV
OUTSIDE ONLY
DRILL #40 (.098)
Q4305-D3 RIVET
DRILL #10 (.193)
AN510-D10-8 SCREW
28B1307-5 (REF.)
DRILL #10 (.193)
AN520-D10-14 SCREW
Q610D6-10 SPACER
1
AN 325-4 NUT
AN 960-416 WASHER
AN 935-416 LOCKWASHER
J
28B1318
DRILL #40 (.098)
Q4305-D3 RIVET
28B3002 (REF.)
DRILL #10 (.193)
AN520-D10-14 SCREW
Q610D6-10
28B4043
GP-GREEN PRIME
FINISH CODE
Z
P
AP
C
DETAIL -40 ASSY
SAME AS 28B1314
EXCEPT AS SHOWN
H
NOTE:
INSULATE DISSIMILAR METALS WITH MARINE GLUE & FABRIC.
FINISH GP EXCEPT AS NOTED
AN960-416 | 1 | Q610D6-10 | 1 | 1
AN325-4 | 1 | Q4305-D3 | 2 | 2
AN935-416 | 1
ON -10 ASSY | 28B1323 | 1 | 1
28B1314-4 | 1 | 1
AN960-416 | 1
AN325-4 | 1 | 28B1321 | 1
AN935-416 | 1 | 28B4043 | 1
ON -2 ASSY | 28B1308-3 | 1
-10 ASSY | 1
-4 | PBY5, 5A & B | 28A4056 | 1 EA
-40 | PBY5, 5A & B | 28B1307 | 1 EA
-40 | PBY-4 | 28B1307
-40 | PBY-3 | 28B1307 | 1 | AN520-D10-14 | 1 | 1
PBY-2 | 28B1307 | AN510-D10-8 | 3 | 3 | 28B1321 | 1
PBY-1 | 28B1307 | AN425-D3 | 8 | 8 | 28B1318 | 1
XP3Y-1 | 28B1307 | 1 | AC366-DF1032 | 4 | 4 | 28B1308-3 | 1
-2 ASSY | 1
O.H. | MODEL | NEXT ASSY. | REQ. | STD PARTS | -40 | PART NO. | -40
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES 28B1314 4 5-11-36
REPLACED BY
APPROVED 5-8-37 DATE
.38 CALC.WT. ACT.WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64 ± 1/2°
SCALE 12" = 1'-0"
AC
NAVY NOTED | NOTED | NOTED | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
DRAFT | CHECK | EXAM. | ENG.
[redacted]
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
CAMLOCK INSTALLATION
REVOLVING CIR. WINDSHIELD
OPP. HAND
D 28B1314
ALL AL. ALLOY SHEET SPEC 47A10 (COND T) ALLOY 24T EXCEPT AS NOTED
ALL AL. ALLOY EXTRUSIONS SPEC (COND T) ALLOY 24T EXCEPT AS NOTED
HEAT TREAT ALL [redacted] CONDITION A MATERIAL PER SPEC SR53
RIVETS AL ALLOY EXCEPT AS NOTED


LET
ALTERATION
DATE
BY
E
TRACED
6-9-43
SESSIONS
℄ SYM
8 19/32
4 19/64
19.078±.003
18 R
1 3/4
1 3/8
1.078±.005
JIG REAM .187 +.0005 -.0010 DIA.
6 HOLES, HOLES TO BE
PARALLEL & ON COMMON
ARC WITH 7 HOLES IN
28B1324
1/2 DIA.
5/16 R
1 3/4
1 17/32
11/16
A
B
1/8 R
1/8
11/32 R
#10(193) DRILL - 5 HOLES
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
GP GREEN PRIMER
C CADMIUM PLATE
5/16
13/16
1 5/32
1/8 R
9/32
SEC A-A
29/64 +0 -1/64
1/8 R
1/16 R
1/8 R
5/16
3/16
1/4
SEC B-B
28-5'S 28B1322 1 EA
PBY-5B 28B1322 1
PBY-5A 28B1322 1
PBY-5 28B1322 1
PBY-4 28B1322 1
PBY-3 28B1322 1
PBY-2 28B1322 1
PBY-1 28B1322 1
ASSY DASH NO.
MODEL
NEXT ASSY
REQ
REQUIREMENTS PER AIRPLANE
REPLACES 28B1325 - 4-5-36
.49 CALC WT
REPLACED BY
ACT WT
± 1/64
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
ALCOA #195T4
AL. ALL. CASTG 46A1.CL4
PART No
STOCK
MATERIAL
SPEC.
PARTS LIST PER ASSY.
-0
-2
-3
-4
-5
NAVY 29,000 # 10"
HEAT TREAT
Z-P-2GP
FINISH
SHONTS 4-5-36
STIER 12-22-36
LCW 12-10-36
DRAFT
CHECK
STRUCT
MAT
APPROV
ENG.
OPP. HAND
NAME ROLLER SUPPORT
CARRIAGE-BOW GUN MOUNT
D
28B1325
CONSOLIDATED VULTEE AIRCRAFT CORP.
SAN DIEGO DIVISION . . SAN DIEGO, CALIF.

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
D	TRACED UP TO DATE	3-10-37	RMcC
E	31¼ WAS 31⅜		
	1⅞ WAS 2		
	2 5/16 WAS 2¼		
	2 9/16 WAS 2½	4-9-41	PRELUTSKY

E.O. 33620
PBY-5; 28-5
ALL MODELS

Ⓔ 31¼

Ⓔ 1⅞

1/16

1 13/16 REF.

3/8 R.

Ⓔ 2 5/16

Ⓔ 2 9/16

2 7/32

16½ R.

BEND SLIGHTLY TO OBTAIN THIS DIM.

7/8

1/4

5/8

1/8 R.

2⅝

7/8

1

1/16

45°

10⅜

1 7/16

MAKE FROM EXTRUSION M-891

-R	PBY-5A	28B5580	2
-L	PBY-5A	28B5580	2
-1	PBY-5&5B	28B1400	2EA
	PBY-5&5B	28B1400	2EA
-1	PBY-3-4	28B1400	
	PBY-3-4	28B1400	
-1	PBY-2	28B1400	
	PBY-2	28B1400	
-1	PBY-1	28B1400	
	PBY-1	28B1400	
O.H.	MODEL	NEXT ASSY.	REQ.

REQUIREMENTS PER AIRPLANE

ST'D PARTS — LH / RH REQ. — PART NO. — LH / RH REQ.

PARTS LIST PER ASSY.

MAT.

REPLACES

REPLACED BY

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010

[redacted]

AP. [signature] 10-28-35 DATE

.96 CALC. WT. — ACT. WT.

SCALE 6"=1'-0"

AC

NAVY EXTRUDED AL. ALLOY — MATERIAL

46A9 COND. T. — SPEC.

NONE — HEAT TREAT

NONE — FINISH

B.O.I. 9/20/35 — DRAFT; [signature] 3-10-37 — CHECK; Miller — EXAM.; ENG.

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

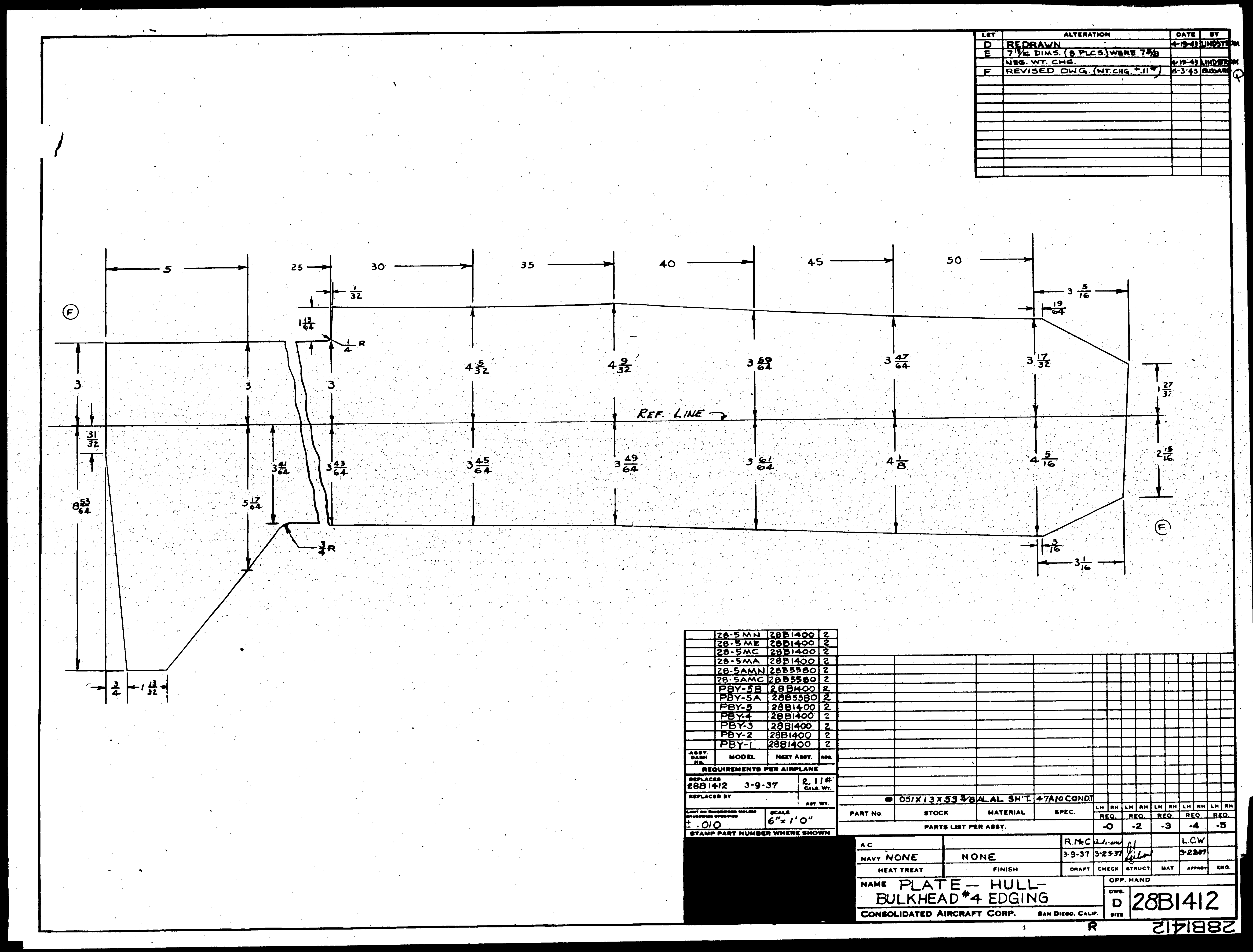
STAMP PT. No. WHERE SHOWN

NAME COLUMN - HULL - BULKHEAD #4

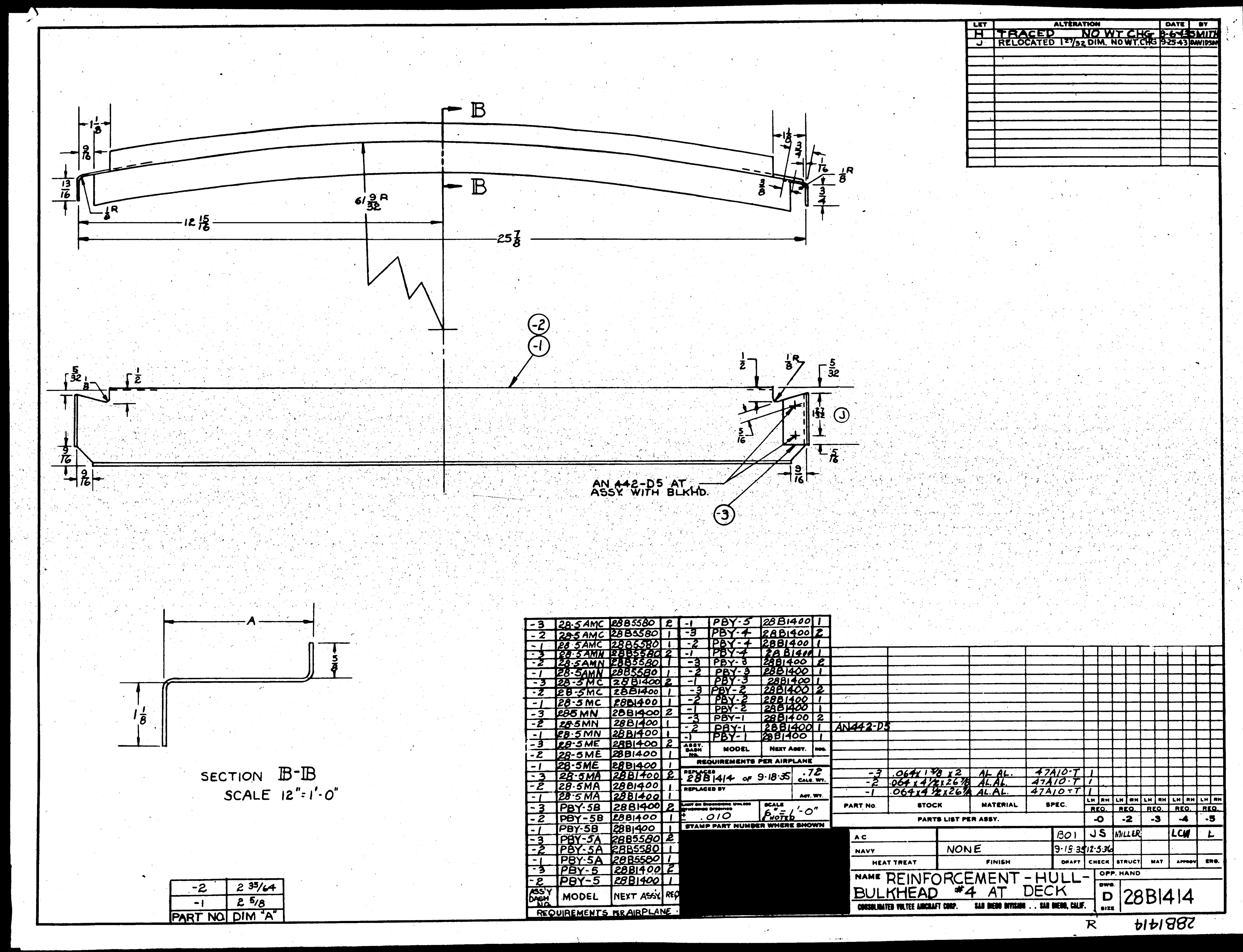
OPP. HAND 28B1403-1

DWG. SIZE D 28B1403

SULLIVAN-McKEOGAN CO. INC. BUFFALO
IMPERIAL TRACING CLOTH



LET
ALTERATION
DATE
BY
D
REDRAWN
4-19-43
LINDSTROM
E
7 11/16 DIMS. (8 PLCS.) WERE 7 5/8
NEG. WT. CHG.
4-19-43
LINDSTROM
F
REVISED DWG. (WT. CHG. +.11#)
6-3-43
5 25 30 35 40 45 50
1/32
1 13/64
1/4 R
3 5/16
19/64
4 5/32
4 9/32
3 59/64
3 47/64
3 17/32
1 27/32
REF. LINE
3
31/32
3 41/64
3 43/64
3 45/64
3 49/64
3 61/64
4 1/8
4 5/16
2 15/16
8 53/64
5 17/64
3/4 R
3/16
3 1/16
3/4
1 13/32
28-5MN 28B1400 2
28-5ME 28B1400 2
28-5MC 28B1400 2
28-5MA 28B1400 2
28-5AMN 28B5580 2
28-5AMC 28B5580 2
PBY-5B 28B1400 2
PBY-5A 28B5580 2
PBY-5 28B1400 2
PBY-4 28B1400 2
PBY-3 28B1400 2
PBY-2 28B1400 2
PBY-1 28B1400 2
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
28B1412 3-9-37
2.11# CALC. WT.
REPLACED BY
ACT. WT.
±.010
SCALE
6" = 1'0"
STAMP PART NUMBER WHERE SHOWN
.051 X 13 X 53 3/8 AL. AL. SH'T. 47A10 COND.
PART NO.
STOCK
MATERIAL
SPEC.
LH RH
REQ.
-0 -2 -3 -4 -5
PARTS LIST PER ASSY.
AC
NAVY NONE
NONE
HEAT TREAT
FINISH
R.McC
3-9-37
3-23-37
L.C.W
3-22-37
DRAFT
CHECK
STRUCT.
MAT.
APPROV.
ENG.
OPP. HAND
NAME PLATE — HULL — BULKHEAD #4 EDGING
DWG. SIZE D
28B1412
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
R
28B1412



ASS'Y DASH NO.	MODEL	NEXT ASS'Y.	REQ.
-3	28-5AMC	28B5580	2
-2	28-5AMC	28B5580	1
-1	28-5AMC	28B5580	1
-3	28-5AMN	28B5580	2
-2	28-5AMN	28B5580	1
-1	28-5AMN	28B5580	1
-3	28-5MC	28B1400	2
-2	28-5MC	28B1400	1
-1	28-5MC	28B1400	1
-3	285MN	28B1400	2
-2	28-5MN	28B1400	1
-1	28-5MN	28B1400	1
-3	28-5ME	28B1400	2
-2	28-5ME	28B1400	1
-1	28-5ME	28B1400	1
-3	28-5MA	28B1400	2
-2	28-5MA	28B1400	1
-1	28-5MA	28B1400	1
-3	PBY-5B	28B1400	2
-2	PBY-5B	28B1400	1
-1	PBY-5B	28B1400	1
-3	PBY-5A	28B5580	2
-2	PBY-5A	28B5580	1
-1	PBY-5A	28B5580	1
-3	PBY-5	28B1400	2
-2	PBY-5	28B1400	1

REQUIREMENTS PER AIRPLANE

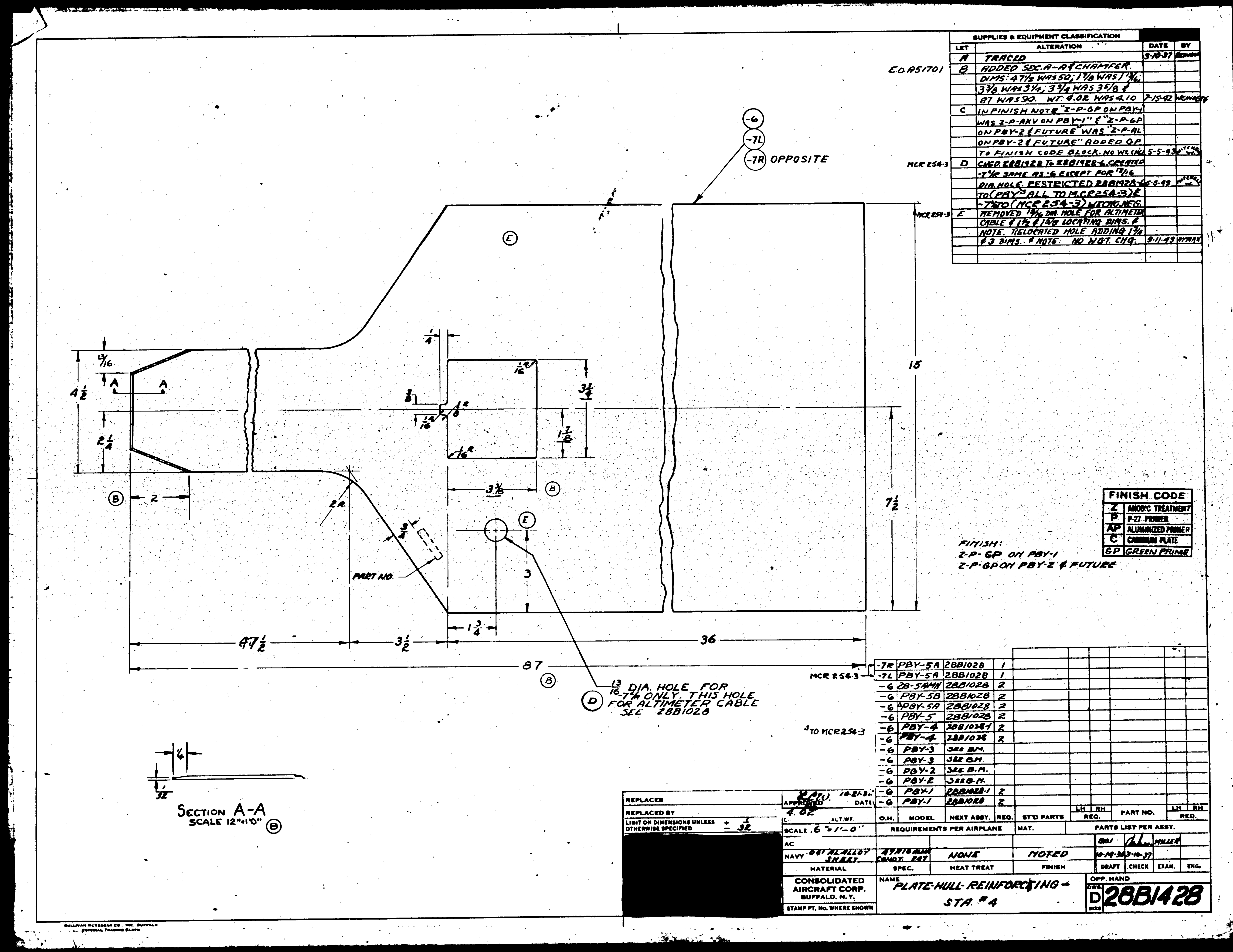
ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
-1	PBY-5	28B1400	1
-3	PBY-4	28B1400	2
-2	PBY-4	28B1400	1
-1	PBY-4	28B1400	1
-3	PBY-3	28B1400	2
-2	PBY-3	28B1400	1
-1	PBY-3	28B1400	1
-3	PBY-2	28B1400	2
-2	PBY-2	28B1400	1
-1	PBY-2	28B1400	1
-3	PBY-1	28B1400	2
-2	PBY-1	28B1400	1
-1	PBY-1	28B1400	1

REQUIREMENTS PER AIRPLANE

PART NO.	DIM "A"
-2	2 35/64
-1	2 5/8

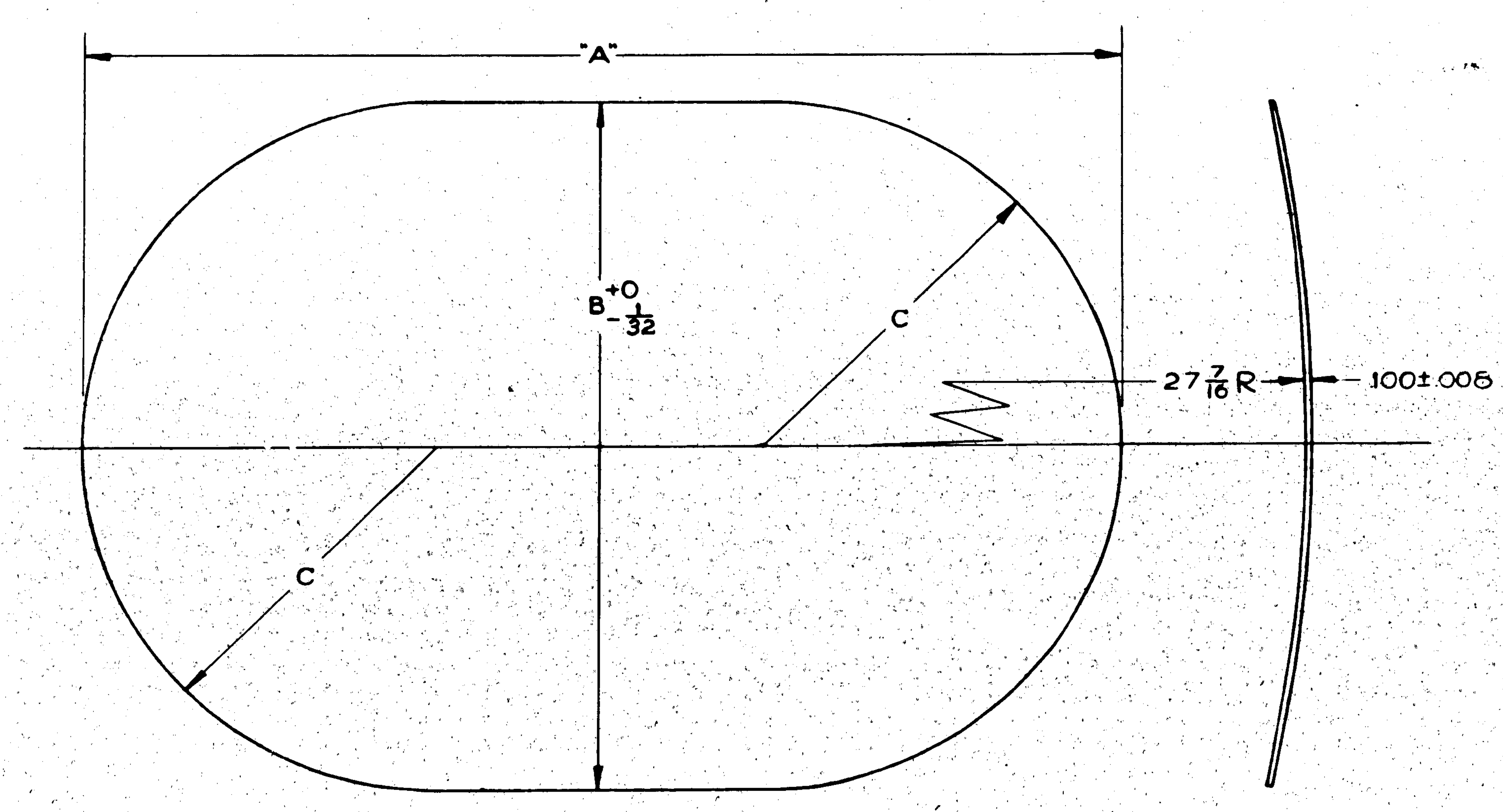
PART No.	STOCK	MATERIAL	SPEC.	-0 LH REQ.	-0 RH REQ.	-2 LH REQ.	-2 RH REQ.	-3 LH REQ.	-3 RH REQ.	-4 LH REQ.	-4 RH REQ.	-5 LH REQ.	-5 RH REQ.
-3	.064 x 1 7/8 x 2	AL AL.	47A10-T	1									
-2	.064 x 4 1/2 x 26 7/8	AL. AL.	47A10-T	1									
-1	.064 x 4 1/2 x 26 7/8	AL. AL.	47A10-T	1									

PARTS LIST PER ASSY.



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A TRACED 3-10-37
E.O. A51701
B ADDED SEC. A-A & CHAMFER. DIMS: 47½ WAS 50; 1⅞ WAS 1 13/16; 3⅜ WAS 3¼; 3¾ WAS 3⅝ & 87 WAS 90. WT. 4.02 WAS 4.10 7-15-42
C IN FINISH NOTE "Z-P-GP ON PBY-1" WAS Z-P-AKV ON PBY-1" & "Z-P-GP ON PBY-2 & FUTURE" WAS "Z-P-AL ON PBY-2 & FUTURE" ADDED GP TO FINISH CODE BLOCK. NO WT. CHG. 5-5-43
MCR 254-3
D CHGD. 28B1428 TO 28B1428-6. CREATED -7L/R SAME AS -6 EXCEPT FOR 13/16 DIA. HOLE. RESTRICTED 28B1428-6 TO (PBY'S ALL TO M.C.R. 254-3) & -7 TO (MCR 254-3) WT. CHG. NEG. 5-6-43
MCR 254-3
E REMOVED 13/16 DIA. HOLE FOR ALTIMETER CABLE & 1½ & 1⅝ LOCATING DIMS. & NOTE. RELOCATED HOLE ADDING 1¾ & 3 DIMS. & NOTE: NO WGT. CHG. 9-11-43
-6
-7L
-7R OPPOSITE
15
13/16
4½
A A
2¼
¼
⅜
1/16 R
⅛ R
1/16 R
1/16 R
3¾
1⅞
3⅜
2
2R
¾
PART NO.
3
1¾
7½
47½
3½
36
87
13/16 DIA. HOLE FOR -7L/R ONLY. THIS HOLE FOR ALTIMETER CABLE SEE 28B1028
FINISH:
Z-P-GP ON PBY-1
Z-P-GP ON PBY-2 & FUTURE
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
GP GREEN PRIME
¼
1/32
SECTION A-A
SCALE 12" = 1'0"
MCR 254-3
Δ TO MCR 254-3
-7R PBY-5A 28B1028 1
-7L PBY-5A 28B1028 1
-6 28-5AMN 28B1028 2
-6 PBY-5B 28B1028 2
-6 ΔPBY-5A 28B1028 2
-6 PBY-5 28B1028 2
-6 PBY-4 28B1028-1 2
-6 PBY-4 28B1028 2
-6 PBY-3 SEE B.M.
-6 PBY-3 SEE B.M.
-6 PBY-2 SEE B.M.
-6 PBY-2 SEE B.M.
-6 PBY-1 28B1028-1 2
-6 PBY-1 28B1028 2
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
[redacted]
APPROVED DATE 10-21-36
4.02 ACT. WT.
SCALE .6" = 1'-0"
AC
NAVY .061 AL ALLOY SHEET
MATERIAL
SPEC.
NONE
HEAT TREAT
NOTED
FINISH
MILLER
3-10-37
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME PLATE-HULL-REINFORCING-STA. #4
OPP. HAND
DWG. D SIZE 28B1428
SULLIVAN-McKEOGAN CO., INC. BUFFALO
IMPERIAL TRACING CLOTH

LET	ALTERATION	DATE	BY
H	TRACED NO. WT. CHG.	9-23-43	ZVONAR



FLAT PATTERN

MATERIAL NOTE:
1.- MAT. FOR -2 MAY BE -
(A) PLEXIGLAS, SPEC. P-41 GR. A, OR
(B) CELLULOSE ACETATE, SPEC. P-41, GR. B.

PART NO.	MODEL	MATERIAL	SPEC.	"A"	B	C
	PBY-1	TRANS. SHEET	33C3	16 1/8	11 1/8	5 9/16
	PBY-2	PLEXIGLAS	COMM.	16 1/8	11 1/8	5 9/16
	PBY-3 #1	PLEXIGLAS	COMM.	16 1/8	11 1/8	5 9/16
-2	PBY-3 #2 ON & FUTURE	NOTED ON FACE	NOTED ON FACE	15 15/16	11	5 1/2

	ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	-2	PBY-5A	28B1984	2
	-2	PBY-5 & 5B	28B1984	2EA
	-2	28-5AMC, MN & AMN	28B1984	2EA
	-2	28-5MA, MC & ME	28B1984	2EA
	-2	PBY-4	28B1984-11	1
	-2	PBY-4	28B1984-10	1
#2 & ON	-2	PBY-3	28B1984-11	1
#2 & ON	-2	PBY-3	28B1984-10	1
		PBY-2, PBY-3 #1	28B1984-1	1EA
		PBY-2, PBY-3 #1	28B1984	1EA
#11 & ON		PBY-1	28B1984-1	1
#11 & ON		PBY-1	28B1984	1
#1-10		PBY-1	28B1445-1	1
#1-10		PBY-1	28B1445	1

REQUIREMENTS PER AIRPLANE

REPLACES 28B1446 12-4-36 | .735 CALC. WT.
REPLACED BY | ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 | SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

[redacted]

PART No	STOCK	MATERIAL	SPEC	LH REQ. -0	RH REQ. -0	LH REQ. -2	RH REQ. -2	LH REQ. -3	RH REQ. -3	LH REQ. -4	RH REQ. -4	LH REQ. -5	RH REQ. -5
-2	.100x11 1/8x16 1/8	NOTED	NOTED										
28B1446	.100x11 1/4x16 1/4	NOTED	NOTED										

PARTS LIST PER ASSY.

HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
AC / NAVY —	NONE	B.O.I. 11-27-35	J.S. 12-4-36			L.CW 12-4-36	

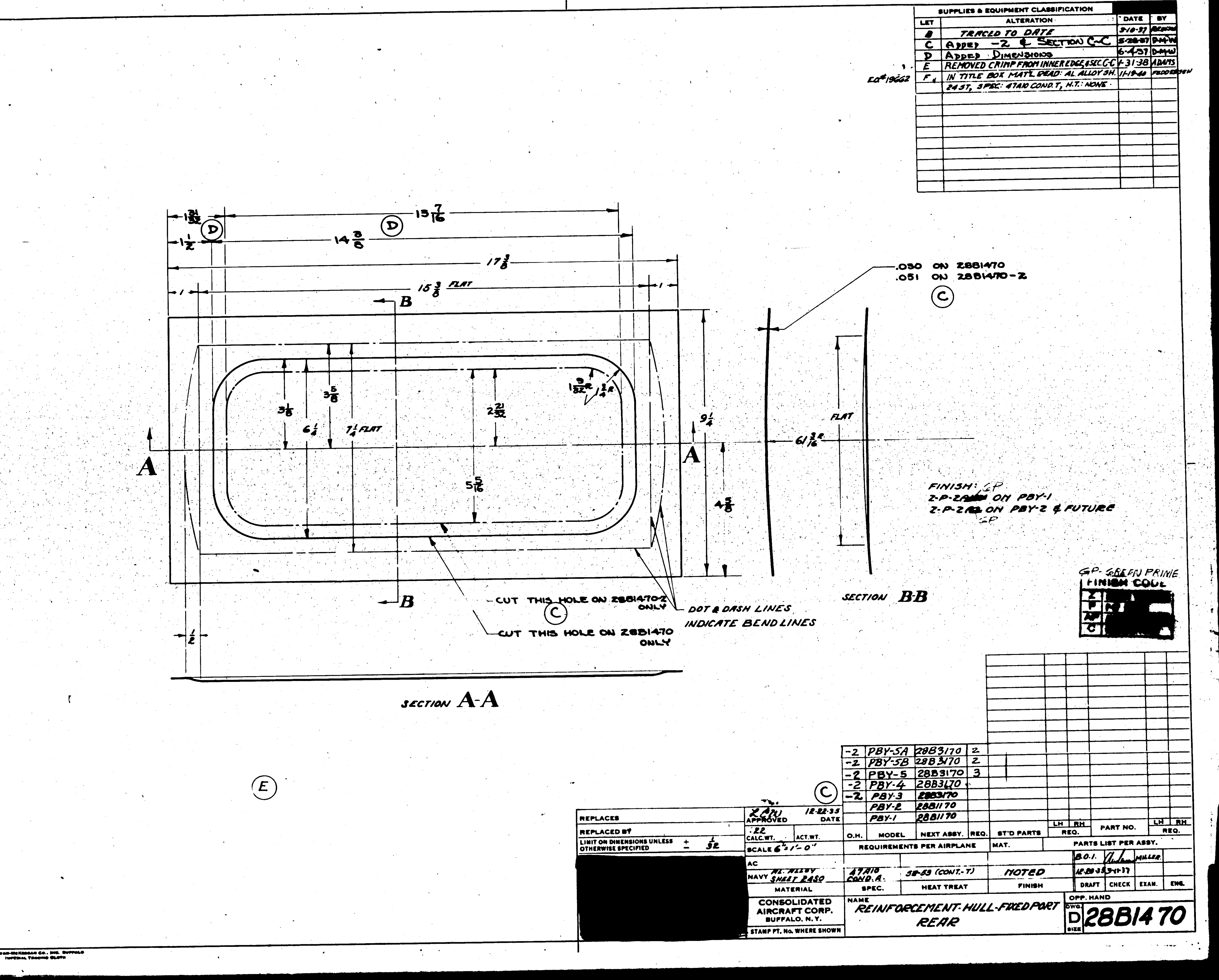
NAME WINDOW-HULL-MECHANICS

OPP HAND

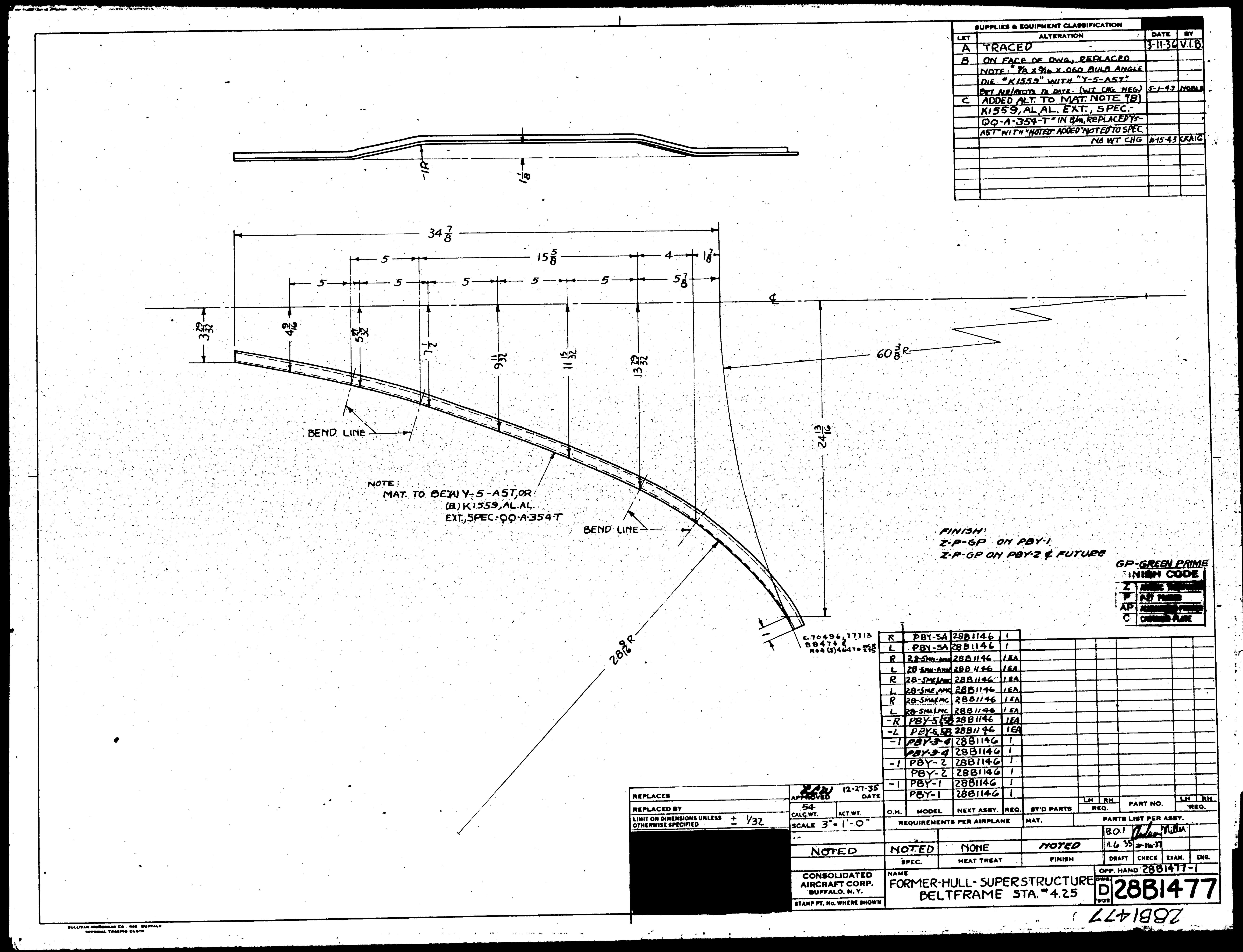
DWG SIZE D 28B1446

CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION ... SAN DIEGO, CALIF.

R 28B1446



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B | TRACED TO DATE | 3-10-37
C | ADDED -2 & SECTION C-C | 5-28-37 | D.M.W
D | ADDED DIMENSIONS | 6-4-37 | D.M.W
E | REMOVED CRIMP FROM INNER EDGE & SEC. C-C | 4-31-38 | ADAMS
F | IN TITLE BOX MAT'L READ: AL. ALLOY SH. 24 ST, SPEC: 47A10 COND. T, H.T.: NONE | 11-19-40
EO# 19662
1 31/32
D
1 1/2
15 7/16
14 3/8
17 3/8
15 3/8 FLAT
1
B
A
3 5/8
3 1/8
6 1/4
7 1/4 FLAT
2 21/32
5 5/16
1 9/32 R
1 3/4 R
9 1/4
4 5/8
.030 ON 28B1470
.051 ON 28B1470-2
C
FLAT
61 3/16 R
SECTION B-B
FINISH: GP
Z-P-2 ON PBY-1
Z-P-2 ON PBY-2 & FUTURE
GP
GP- GREEN PRIME
FINISH CODE
Z
F
AP
C
CUT THIS HOLE ON 28B1470-2 ONLY
CUT THIS HOLE ON 28B1470 ONLY
DOT & DASH LINES INDICATE BEND LINES
1/2
SECTION A-A
E
-2 | PBY-5A | 28B3170 | 2
-2 | PBY-5B | 28B3170 | 2
-2 | PBY-5 | 28B3170 | 3
-2 | PBY-4 | 28B3170
-2 | PBY-3 | 28B3170
PBY-2 | 28B1170
PBY-1 | 28B1170
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
[redacted]
APPROVED 12-22-35 DATE
.22 CALC. WT. ACT. WT.
SCALE 6" = 1'-0"
AC
NAVY AL. ALLOY SHEET 24SO
MATERIAL
47A10 COND. A.
SPEC.
5B-53 (CONT.-T)
HEAT TREAT
NOTED
FINISH
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
B.O.I. MILLER
12-20-35
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME REINFORCEMENT-HULL-FIXED PORT REAR
OPP. HAND
DWG. SIZE D
28B1470



O.H.	MODEL	NEXT ASSY.	REQ.
R	PBY-5A	28B1146	1
L	PBY-5A	28B1146	1
R	28-5MN-ANN	28B1146	1EA
L	28-5MN-ANN	28B1146	1EA
R	28-5ME&AMC	28B1146	1EA
L	28-5ME,AMC	28B1146	1EA
R	28-5MA&MC	28B1146	1EA
L	28-5MA&MC	28B1146	1EA
-R	PBY-5&5B	28B1146	1EA
-L	PBY-5,5B	28B1146	1EA
-1	PBY-3-4	28B1146	1
	PBY-3-4	28B1146	1
-1	PBY-2	28B1146	1
	PBY-2	28B1146	1
-1	PBY-1	28B1146	1
	PBY-1	28B1146	1

REQUIREMENTS PER AIRPLANE

ST'D PARTS | REQ. LH RH | PART NO. | REQ. LH RH
MAT. | PARTS LIST PER ASSY.

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
[redacted]

APPROVED 12-27-35 DATE
54 CALC. WT. | ACT. WT.
SCALE 3" = 1'-0"

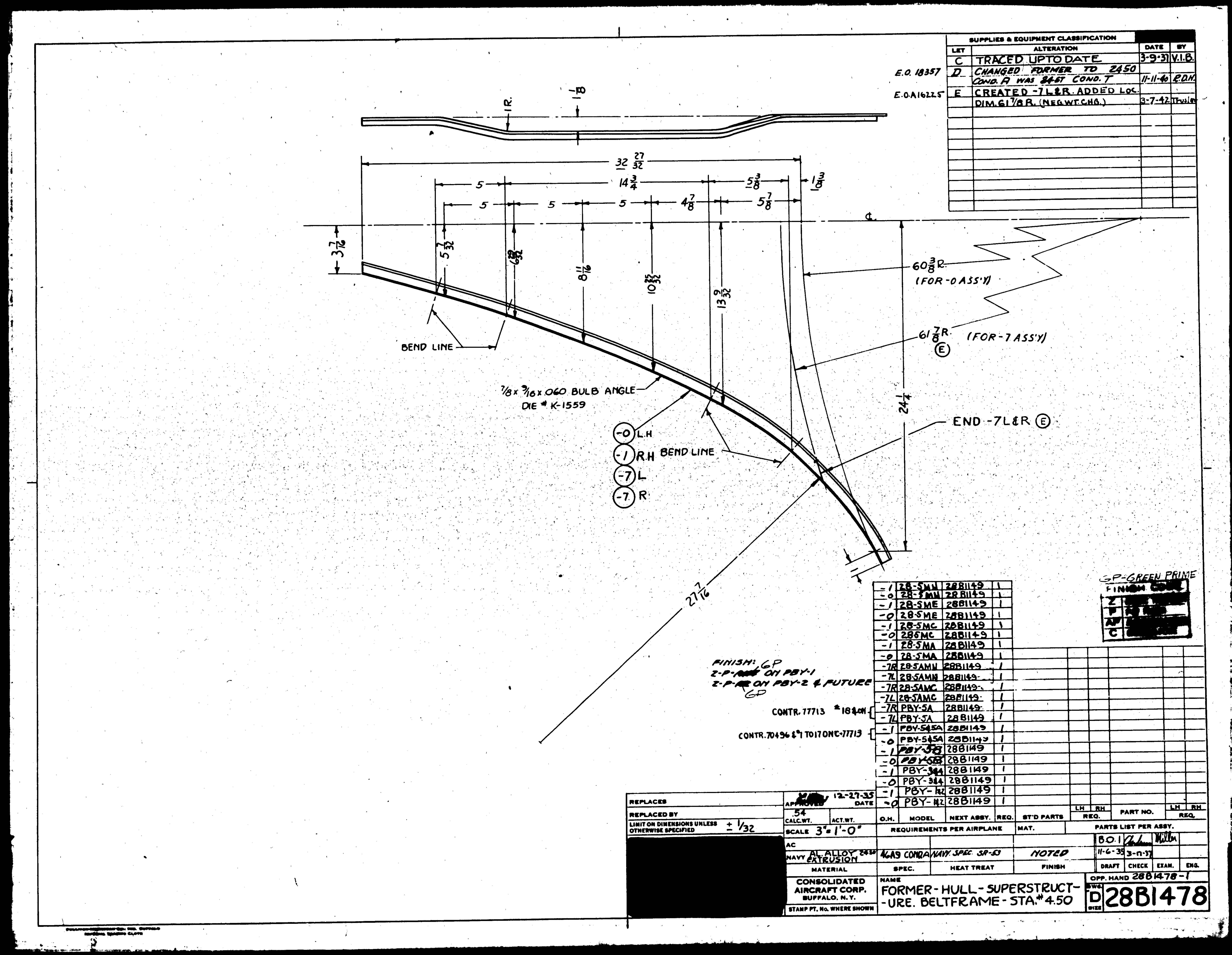
NOTED
NOTED — SPEC. | NONE — HEAT TREAT | NOTED — FINISH
B.O.I. 11.6.35 — DRAFT | 3-16-37 — CHECK | EXAM. | ENG.

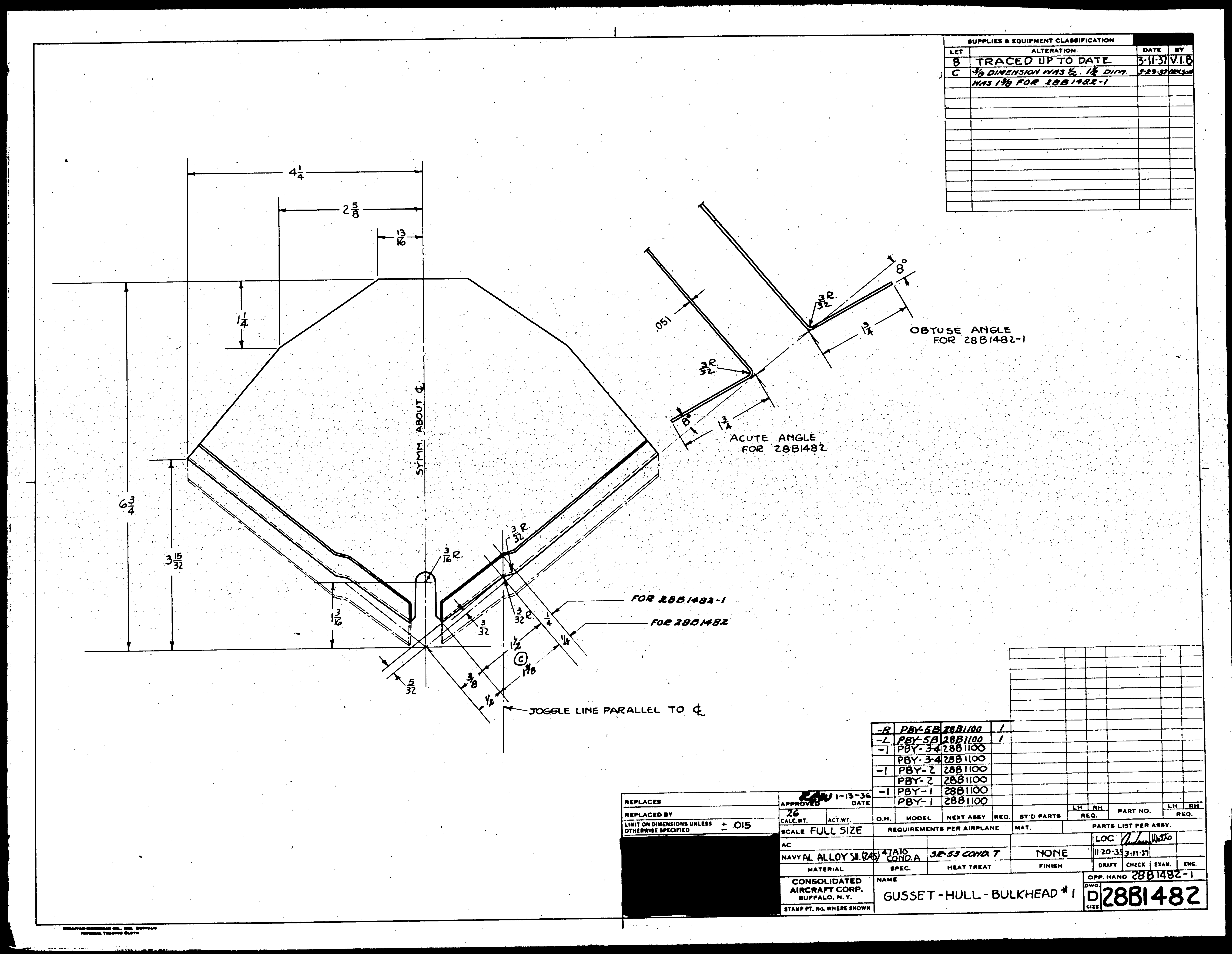
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N. Y.
STAMP PT. No. WHERE SHOWN

NAME FORMER-HULL-SUPERSTRUCTURE BELTFRAME STA. #4.25

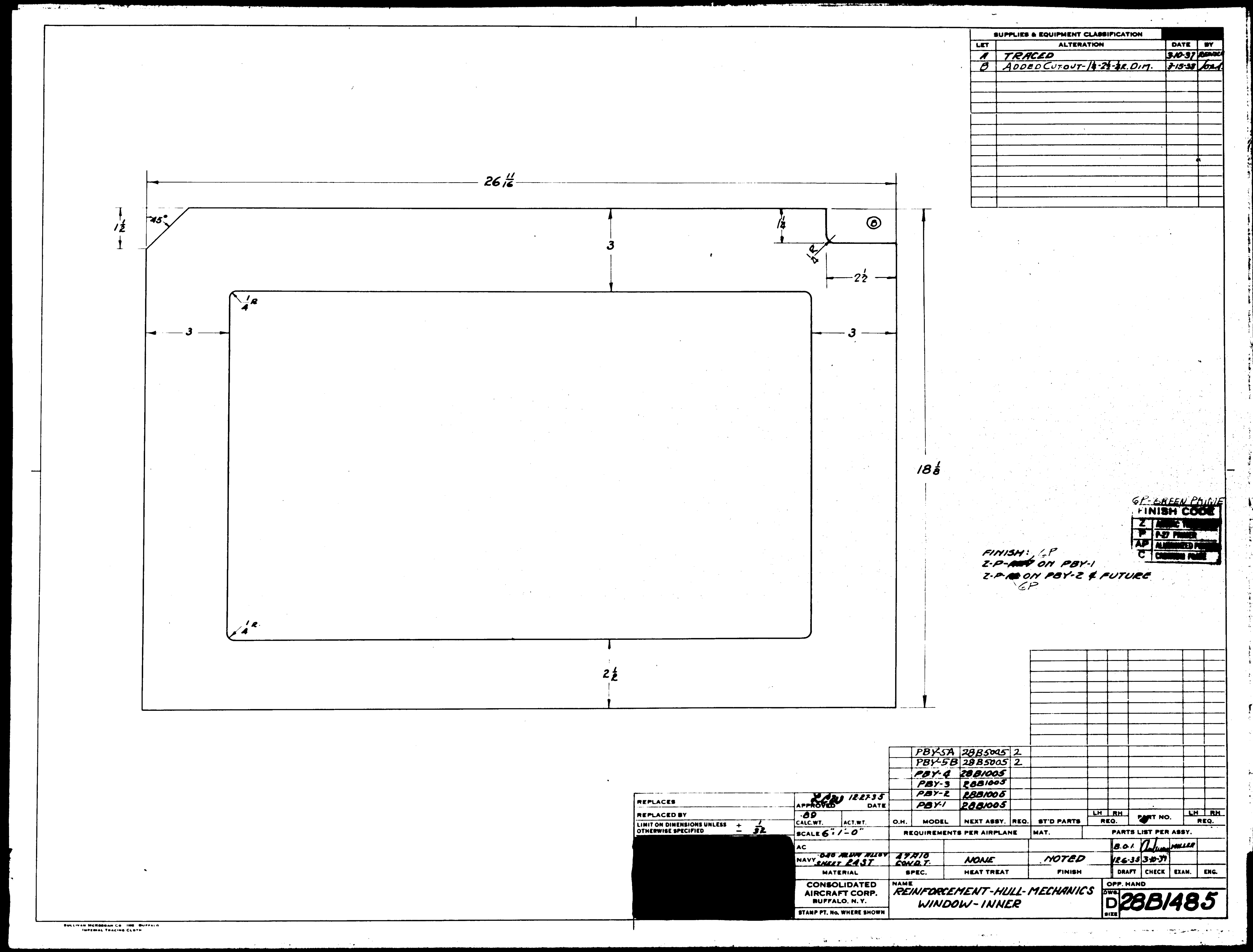
OPP. HAND 28B1477-1
DWG. SIZE D 28B1477

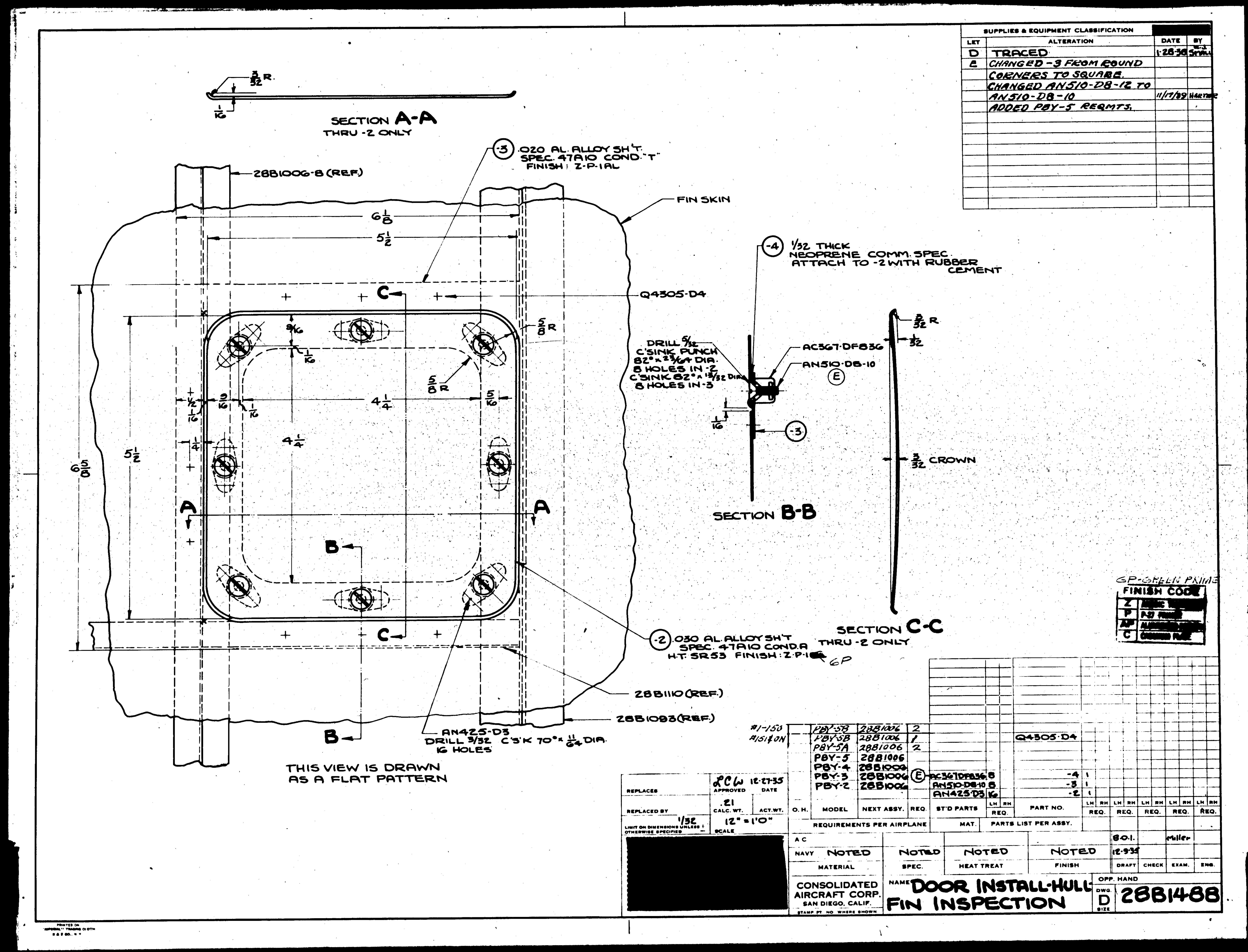
28B1477

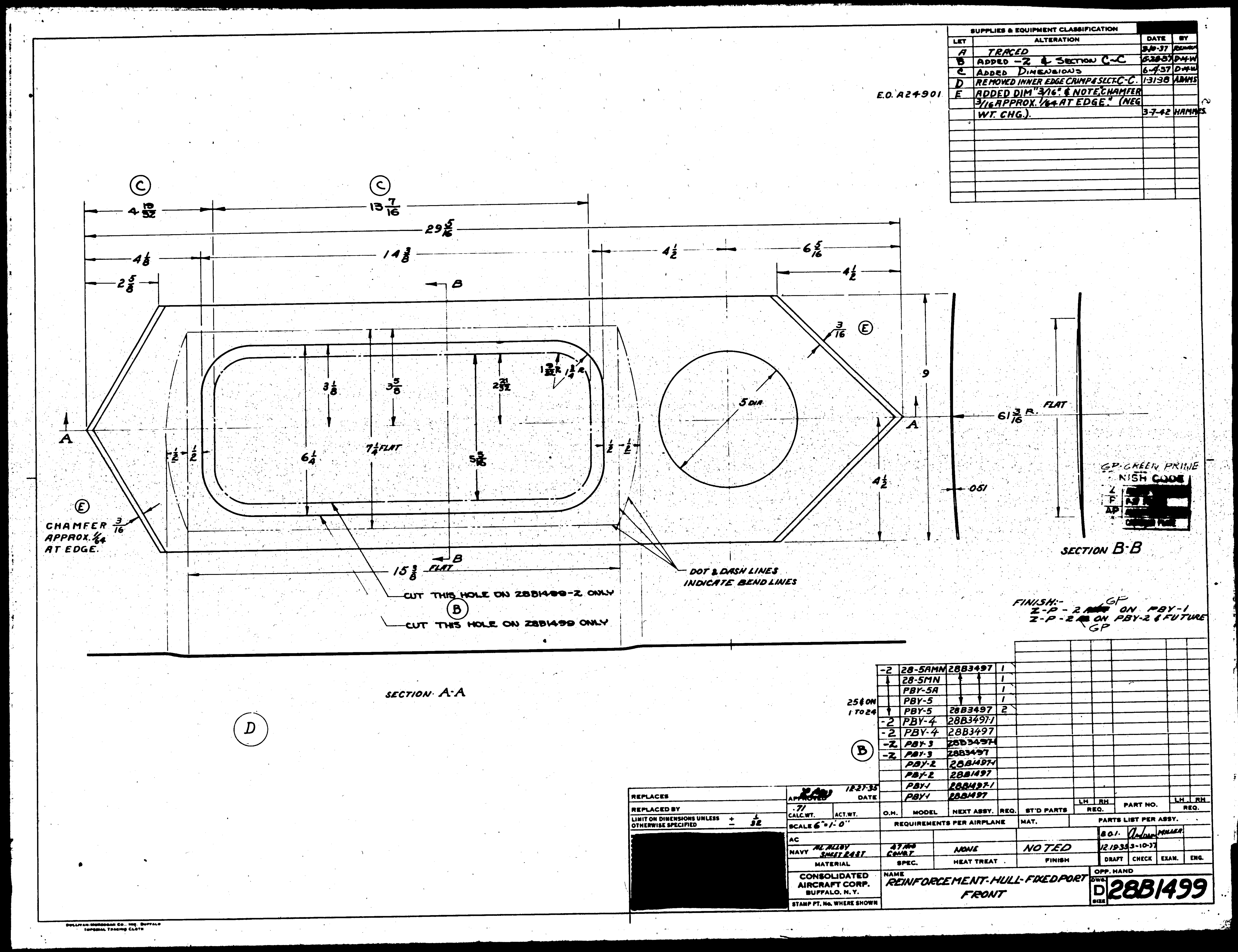

SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C | TRACED UPTO DATE | 3-9-37 | V.I.B.
E.O. 18357 | D | CHANGED FORMER TO 24S0 COND. A WAS 24ST COND. T | 11-11-40 | R.D.H.
E.O.A16225 | E | CREATED -7L&R. ADDED LOC. DIM. 61 7/8 R. (NEG.WT.CHG.) | 3-7-42
1R.
1/8
32 27/32
5
14 3/4
5 3/8
1 3/8
5
5
5
4 7/8
5 7/8
℄
3 7/16
5 7/32
6 29/32
8 11/16
10 25/32
13 9/32
60 3/8 R.
(FOR -0 ASS'Y)
61 7/8 R. Ⓔ
(FOR -7 ASS'Y)
24 1/4
BEND LINE
7/8 x 9/16 x .060 BULB ANGLE
DIE # K-1559
-0 L.H
-1 R.H
-7 L
-7 R
BEND LINE
END -7L&R Ⓔ
27 7/16
GP-GREEN PRIME
FINISH CODE
Z
F
AF
C
FINISH: GP
Z-P- ON PBY-1
Z-P- ON PBY-2 & FUTURE
GP
CONTR. 77713 # 18 & ON
CONTR. 70496 & 1 TO 170 ON C-77713
-1 | 28-5MN | 28B1149 | 1
-0 | 28-5MN | 28B1149 | 1
-1 | 28-5ME | 28B1149 | 1
-0 | 28-5ME | 28B1149 | 1
-1 | 28-5MC | 28B1149 | 1
-0 | 28-5MC | 28B1149 | 1
-1 | 28-5MA | 28B1149 | 1
-0 | 28-5MA | 28B1149 | 1
-7R | 28-5AMN | 28B1149 | 1
-7L | 28-5AMN | 28B1149 | 1
-7R | 28-5AMC | 28B1149 | 1
-7L | 28-5AMC | 28B1149 | 1
-7R | PBY-5A | 28B1149 | 1
-7L | PBY-5A | 28B1149 | 1
-1 | PBY-5&5A | 28B1149 | 1
-0 | PBY-5&5A | 28B1149 | 1
-1 | PBY-5B | 28B1149 | 1
-0 | PBY-5B | 28B1149 | 1
-1 | PBY-3&4 | 28B1149 | 1
-0 | PBY-3&4 | 28B1149 | 1
-1 | PBY-1&2 | 28B1149 | 1
-0 | PBY-1&2 | 28B1149 | 1
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
[redacted]
APPROVED 12-27-35 DATE
.54 CALC.WT. | ACT.WT.
SCALE 3" = 1'-0"
AC
NAVY AL. ALLOY 24ST EXTRUSION | 46A9 COND A | NAVY SPEC. SR-53 | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
B.O.I | Miller
11-6-35 | 3-11-37
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME FORMER-HULL-SUPERSTRUCT-URE. BELTFRAME-STA. #4.50
OPP. HAND 28B1478-1
DWG. D SIZE
28B1478



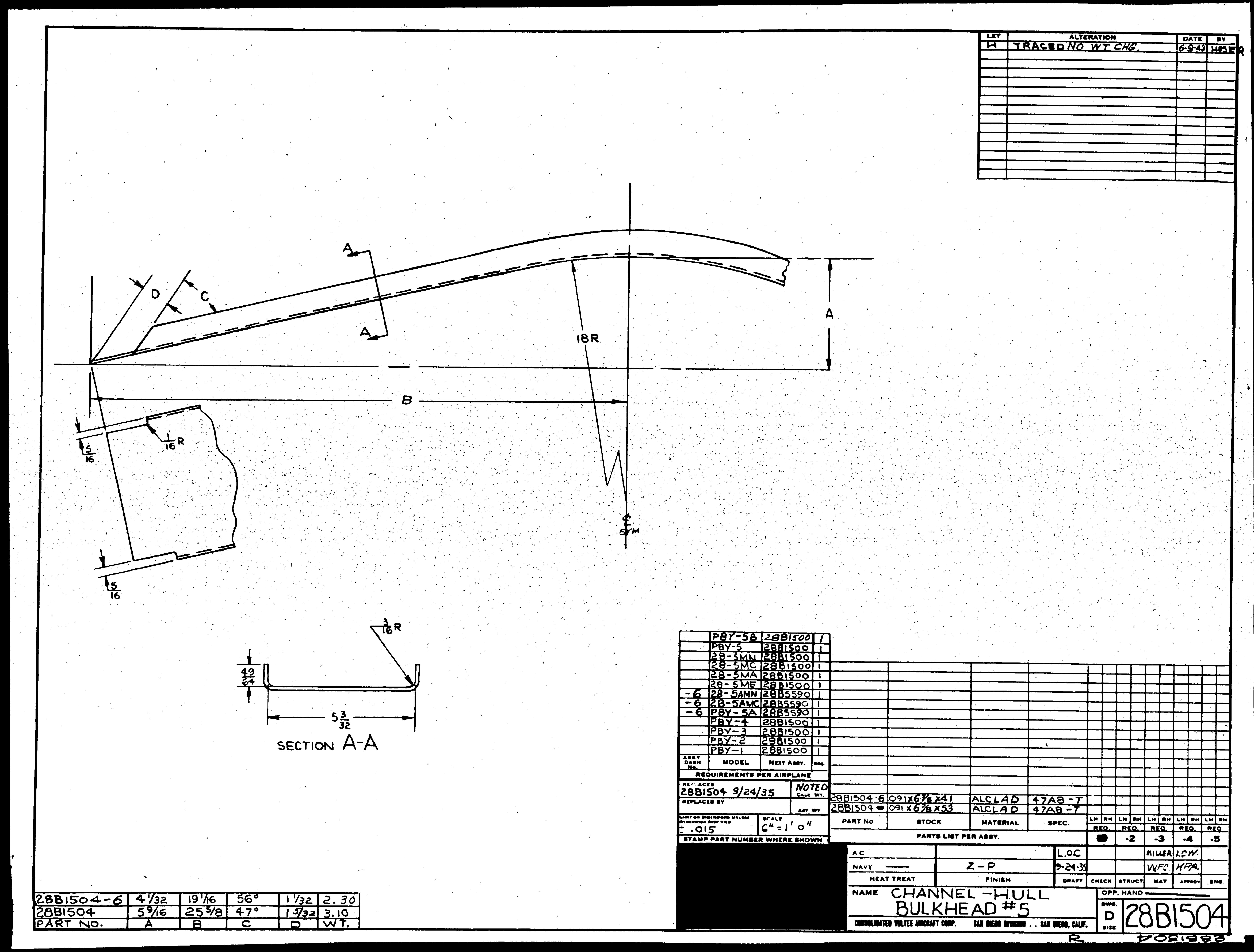
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B | TRACED UP TO DATE | 3-11-37 | V.I.B
C | 3/8 DIMENSION WAS 1/2. 1 1/2 DIM. WAS 1 9/16 FOR 28B1482-1 | 5-29-37
4 1/4
2 5/8
13/16
1 1/4
6 3/4
3 15/32
1 3/16
SYMM. ABOUT ℄
3/16 R.
3/32 R.
3/32
3/32 R.
1/4
1/4
1 1/2
(C)
1 9/16
3/8
1/2
5/32
FOR 28B1482-1
FOR 28B1482
JOGGLE LINE PARALLEL TO ℄
.051
3/32 R.
8°
1 3/4
ACUTE ANGLE FOR 28B1482
3/32 R.
8°
1 3/4
OBTUSE ANGLE FOR 28B1482-1
-R PBY-5B 28B1100 1
-L PBY-5B 28B1100 1
-1 PBY-3-4 28B1100
PBY-3-4 28B1100
-1 PBY-2 28B1100
PBY-2 28B1100
-1 PBY-1 28B1100
PBY-1 28B1100
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .015
[redacted]
APPROVED 1-13-36 DATE
26 CALC.WT. ACT.WT.
SCALE FULL SIZE
AC
NAVY AL. ALLOY SH. (24S) 47A10 COND. A 3E-53 COND. T NONE
MATERIAL SPEC. HEAT TREAT FINISH
LOC
11-20-35 3-11-37
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
GUSSET-HULL-BULKHEAD #1
OPP. HAND 28B1482-1
DWG SIZE D 28B1482


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED | 3-10-37
B | ADDED CUT-OUT | 3-15-38
26 11/16
1 1/2
45°
3
1/4
(B)
2 1/2
1/4 R
3
3
18 1/8
2 1/2
GP-GREEN PRIME
FINISH CODE
Z
P
AP
C
FINISH: GP
Z-P- ON PBY-1
Z-P- ON PBY-2 & FUTURE
PBY-5A 28B5005 2
PBY-5B 28B5005 2
PBY-4 28B1005
PBY-3 28B1005
PBY-2 28B1005
PBY-1 28B1005
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
[redacted]
APPROVED 12-27-35 DATE
.89 CALC.WT. ACT.WT.
SCALE 6" : 1'-0"
AC
NAVY SHEET 24ST
MATERIAL
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
SPEC. NONE HEAT TREAT NOTED FINISH
B.O.I. MILLER
12-6-35 3-10-37
DRAFT CHECK EXAM. ENG.
NAME REINFORCEMENT-HULL-MECHANICS WINDOW-INNER
OPP. HAND
DWG. D SIZE 28B1485


SUPPLIES & EQUIPMENT CLASSIFICATION
[redacted]
LET | ALTERATION | DATE | BY
D | TRACED | 1-28-36
E | CHANGED -3 FROM ROUND CORNERS TO SQUARE. CHANGED AN510-D8-12 TO AN510-D8-10 ADDED PBY-5 REQMTS. | 11/17/39 | HARTNER
3/32 R.
1/16
SECTION A-A
THRU -2 ONLY
-3 .020 AL. ALLOY SH'T. SPEC. 47A10 COND. "T" FINISH: Z-P-1AL
28B1006-8 (REF.)
FIN SKIN
6 1/8
5 1/2
Q4305-D4
C
5/8 R
9/16
1/16
5/8 R
1/2
9/16
1/16
1/16
4 1/4
5/16
1/4
4 1/4
6 5/8
5 1/2
A
A
B
B
C
-2 .030 AL. ALLOY SH'T SPEC. 47A10 COND. A H.T. SR53 FINISH: Z-P-1 GP
28B1110 (REF.)
28B1093 (REF.)
AN425-D3
DRILL 3/32 C'S'K 70° x 11/64 DIA.
16 HOLES
THIS VIEW IS DRAWN AS A FLAT PATTERN
-4 1/32 THICK NEOPRENE COMM. SPEC. ATTACH TO -2 WITH RUBBER CEMENT
DRILL 5/32
C'SINK PUNCH 82° x 23/64 DIA.
8 HOLES IN -2
C'SINK 82° x 13/32 DIA.
8 HOLES IN -3
AC367-DF836
AN510-D8-10 E
1/16
-3
SECTION B-B
3/32 R
1/32
3/32 CROWN
SECTION C-C
THRU -2 ONLY
GP-GREEN PRIME
FINISH CODE
Z
P
AP
C
#1-150 PBY-5B 28B1006 2
#151 & ON PBY-5B 28B1006 1
PBY-5A 28B1006 2
PBY-5 28B1006
PBY-4 28B1006
PBY-3 28B1006 E
PBY-2 28B1006
Q4305-D4
AC367DF836 8 -4 1
AN510-D8-10 8 -3 1
AN425-D3 16 -2 1
O. H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LCW 12-27-35
APPROVED DATE
.21 CALC. WT. ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 1/32
12" = 1'0" SCALE
[redacted]
A C
NAVY NOTED | NOTED | NOTED | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
B.O.I. 12-9-35 Miller
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN
NAME DOOR INSTALL-HULL-FIN INSPECTION
OPP. HAND
DWG. D SIZE 28B1488
PRINTED ON "IMPERIAL" TRACING CLOTH



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED | 3-10-37
B | ADDED -2 & SECTION C-C | 5-28-37 | D.M.W.
C | ADDED DIMENSIONS | 6-4-37 | D.M.W.
D | REMOVED INNER EDGE CRIMP & SECT. C-C. | 1-31-38 | ADAMS
E | ADDED DIM "3/16" & NOTE, CHAMFER 3/16 APPROX. 1/64 AT EDGE." (NEG WT. CHG.) | 3-7-42 | HAMMES
E.O. A24901
4 19/32
13 7/16
29 5/16
4 1/8
14 3/8
4 1/2
6 5/16
2 5/8
4 1/2
B
3/16
3 1/8
3 5/8
2 21/32
1 3/32 R
1 1/4 R
5 DIA.
9
61 3/16 R.
FLAT
A
A
1/2
1/2
6 1/4
7 1/4 FLAT
5 3/16
1/2
1/2
4 1/2
.051
CHAMFER 3/16 APPROX. 1/64 AT EDGE.
GP-GREEN PRIME
FINISH CODE
SECTION B-B
15 3/8 FLAT
B
DOT & DASH LINES INDICATE BEND LINES
CUT THIS HOLE ON 28B1499-2 ONLY
CUT THIS HOLE ON 28B1499 ONLY
FINISH:- Z-P-2 GP ON PBY-1
Z-P-2 GP ON PBY-2 & FUTURE
SECTION A-A
D
B
25 & ON 1 TO 24
-2 | 28-5AMN | 28B3497 | 1
28-5MN | 1
PBY-5A | 1
PBY-5 | 1
PBY-5 | 28B3497 | 2
-2 | PBY-4 | 28B3497-1
-2 | PBY-4 | 28B3497
-2 | PBY-3 | 28B3497-1
-2 | PBY-3 | 28B3497
PBY-2 | 28B1497-1
PBY-2 | 28B1497
PBY-1 | 28B1497-1
PBY-1 | 28B1497
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
APPROVED 12-27-35 DATE
.71 CALC.WT. ACT.WT.
SCALE 6" = 1'-0"
D.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
AC
NAVY AL ALLOY SHEET 24ST
47 AND CONST.
NONE
NOTED
MATERIAL SPEC. HEAT TREAT FINISH
12-19-35 3-10-37 DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME REINFORCEMENT-HULL-FIXED PORT FRONT
OPP. HAND
DWG. D SIZE 28B1499



LET	ALTERATION	DATE	BY
H	TRACED NO WT CHG.	6-9-43	HEZER

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5B	28B1500	1
	PBY-5	28B1500	1
	28-5MN	28B1500	1
	28-5MC	28B1500	1
	28-5MA	28B1500	1
	28-5ME	28B1500	1
-6	28-5AMN	28B5590	1
-6	28-5AMC	28B5590	1
-6	PBY-5A	28B5590	1
	PBY-4	28B1500	1
	PBY-3	28B1500	1
	PBY-2	28B1500	1
	PBY-1	28B1500	1

REQUIREMENTS PER AIRPLANE

REPLACES 28B1504 9/24/35 — NOTED CALC WT.

REPLACED BY — ACT. WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .015 — SCALE 6" = 1' 0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.
28B1504-6	.091 X 6 7/8 X 41	ALCLAD	47AB-T
28B1504	.091 X 6 7/8 X 53	ALCLAD	47AB-T

PARTS LIST PER ASSY.

		-2	-3	-4	-5
LH RH REQ.	LH RH REQ.	LH RH REQ.	LH RH REQ.	LH RH REQ.

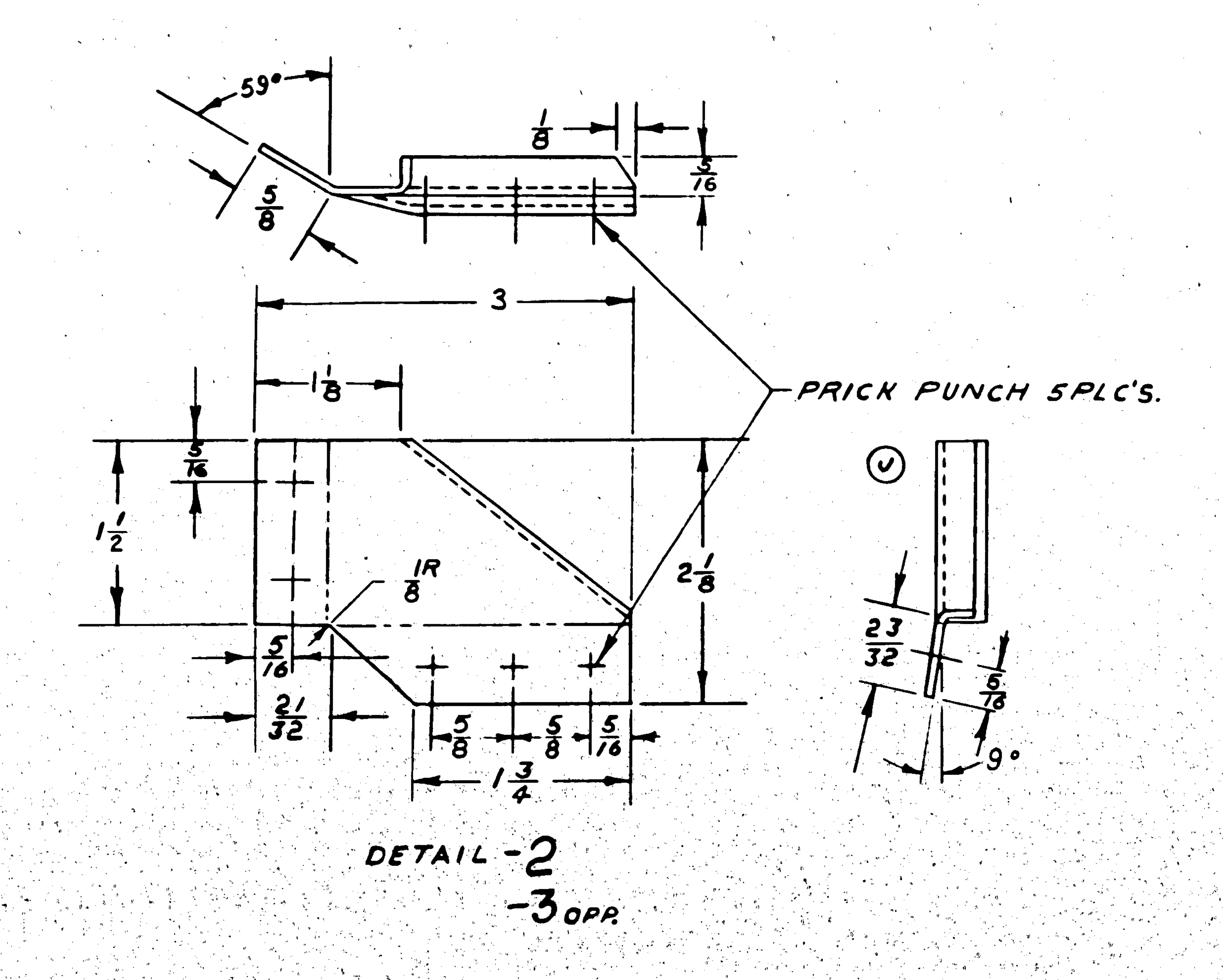
AC		L.OC			MILLER	LCW.		
NAVY —	Z-P	9-24-35			WFC.	KPA.		
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.	

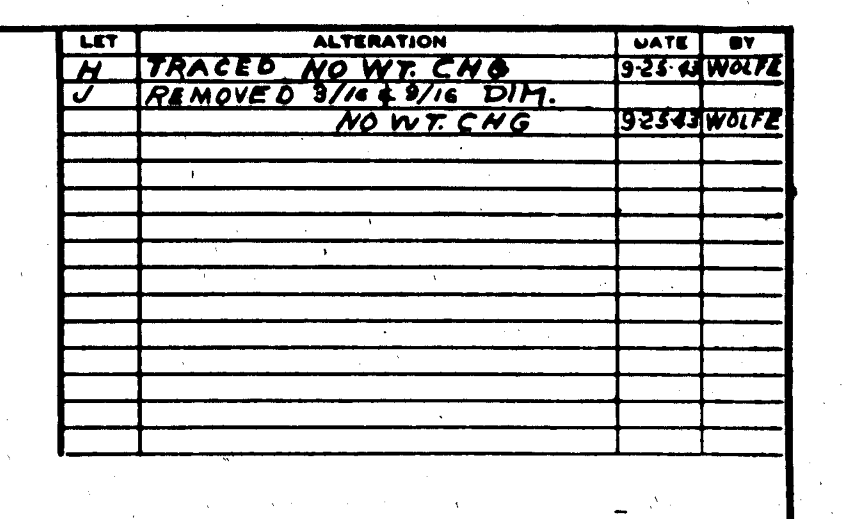
NAME CHANNEL - HULL BULKHEAD #5

OPP. HAND —

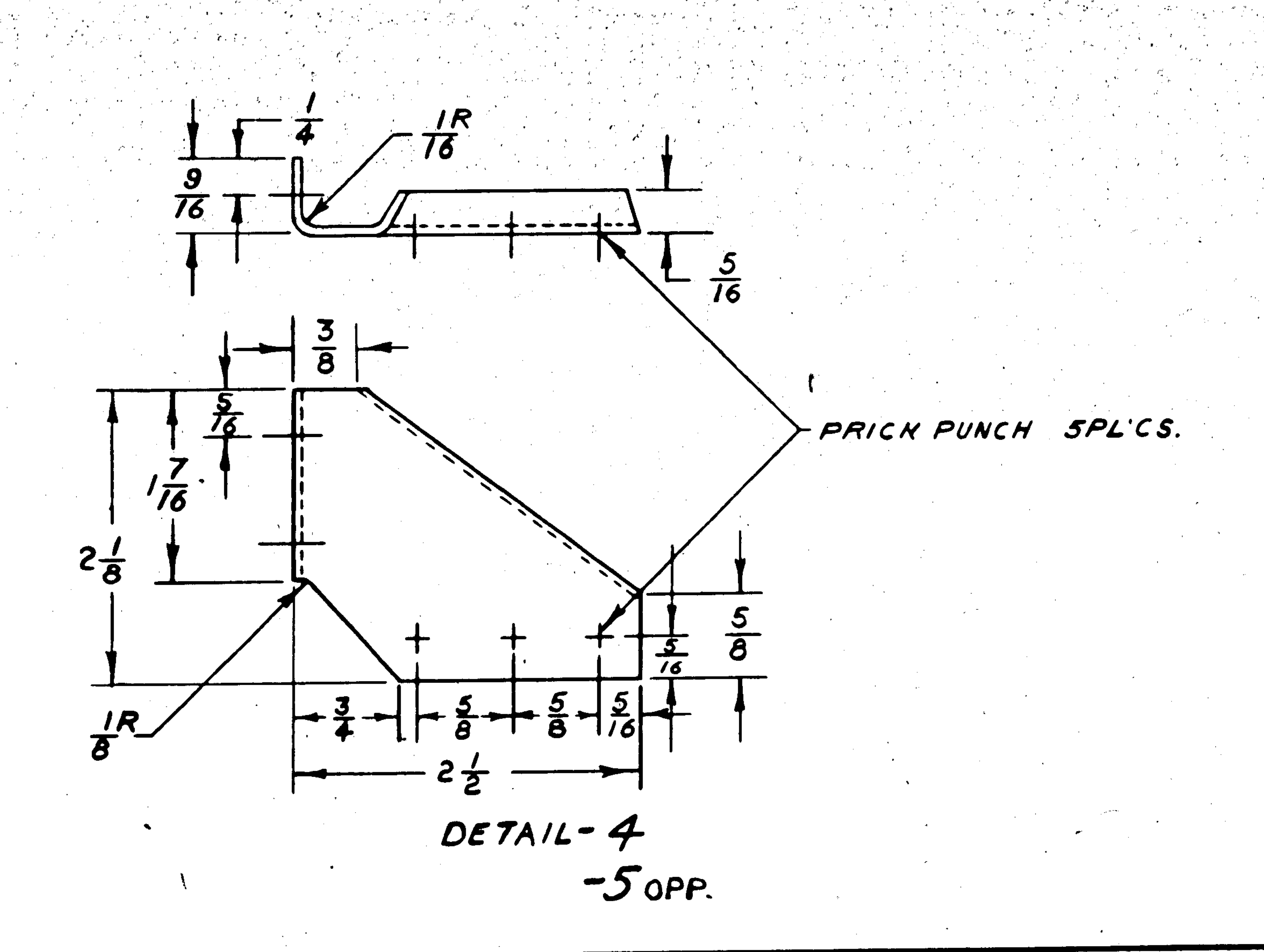
DWG. D SIZE 28B1504

PART NO.	A	B	C	D	WT.
28B1504-6	4 1/32	19 1/16	56°	1 1/32	2.30
28B1504	5 9/16	25 5/8	47°	1 5/32	3.10





LET	ALTERATION	DATE	BY
H	TRACED NO WT. CHG	9-25-43	WOLFE
J	REMOVED 3/16 & 9/16 DIM.		
	NO WT. CHG	9-25-43	WOLFE



ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
-4	PBY-5A	28B5590	2
-5	PBY-5A	28B5590	2
-4	PBY-1,2,3&4	28B1500	
-3	PBY 1,2,3&4	28B1500	
-2	PBY-1,2,3&4	28B1500	
-5	PBY-1,2,3&4	28B1500	
-4	PBY-5&5B	28B1500	1EA
-3	PBY-5&5B	28B1500	2EA
-2	PBY-5&5B	28B1500	2EA
-5	PBY-5&5B	28B1500	1EA
-4	28-5AMN&AMC	28B5590	2EA
-5	28-5AMN&AMC	28B5590	2EA
-4	28-5ME&MN	28B1500	1EA
-3	28-5ME&MN	28B1500	2EA
-2	28-5ME&MN	28B1500	2EA
-6	28-5ME&MN	28B1500	1EA
-4	28-5MA&MC	28B1500	1EA
-3	28-5MA&MC	28B1500	2EA
-2	28-5MA&MC	28B1500	2EA
-5	28-5MA&MC	28B1500	1EA

REQUIREMENTS PER AIRPLANE

REPLACES 28B1509 OF 12-8-36 — .02 KRA CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±1/32 ±1/2° — SCALE 12"=1'-0

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	REQ. -0 LH	REQ. -0 RH	REQ. -2 LH	REQ. -2 RH	REQ. -3 LH	REQ. -3 RH	REQ. -4 LH	REQ. -4 RH	REQ. -5 LH	REQ. -5 RH
-5	.040 X 2 1/4 X 3 1/8	AL.AL.SHT.	QQ-A-355-T										
-4	↕	↕	↕										
-3	↕	↕	↕										
-2	.040 X 2 1/4 X 3 1/8	AL.AL.SHT	QQ-A-355-T										

PARTS LIST PER ASSY.

[redacted]

AC		LOC. 9-24-35		M...		LCW 12-8-36	
NAVY		DRAFT	CHECK	EXAM STRUCT	MAT	APPROV	ENG.
HEAT TREAT	FINISH						

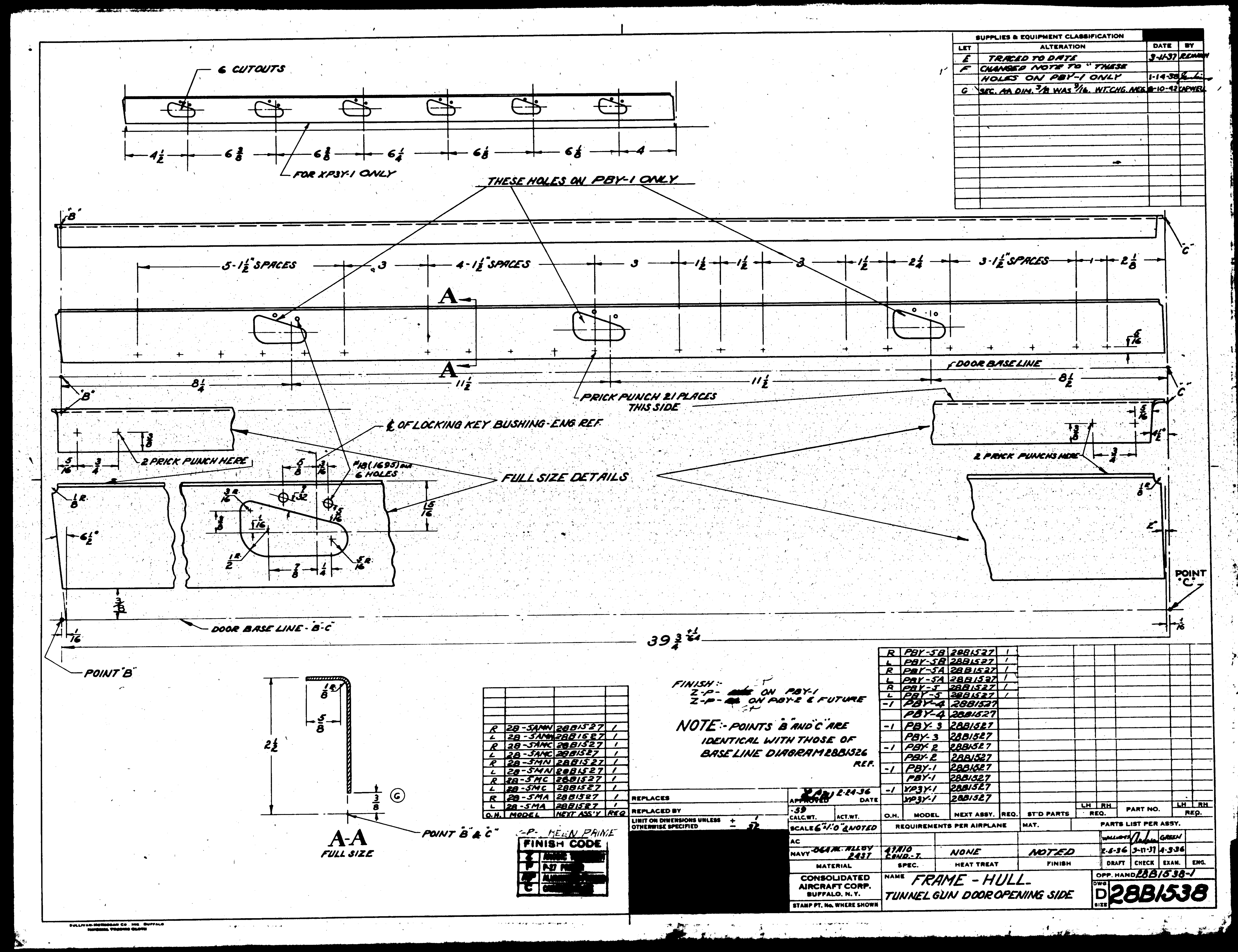
NAME BRACE HULL UPPER WEB STIFFENER

OPP. HAND NOTED

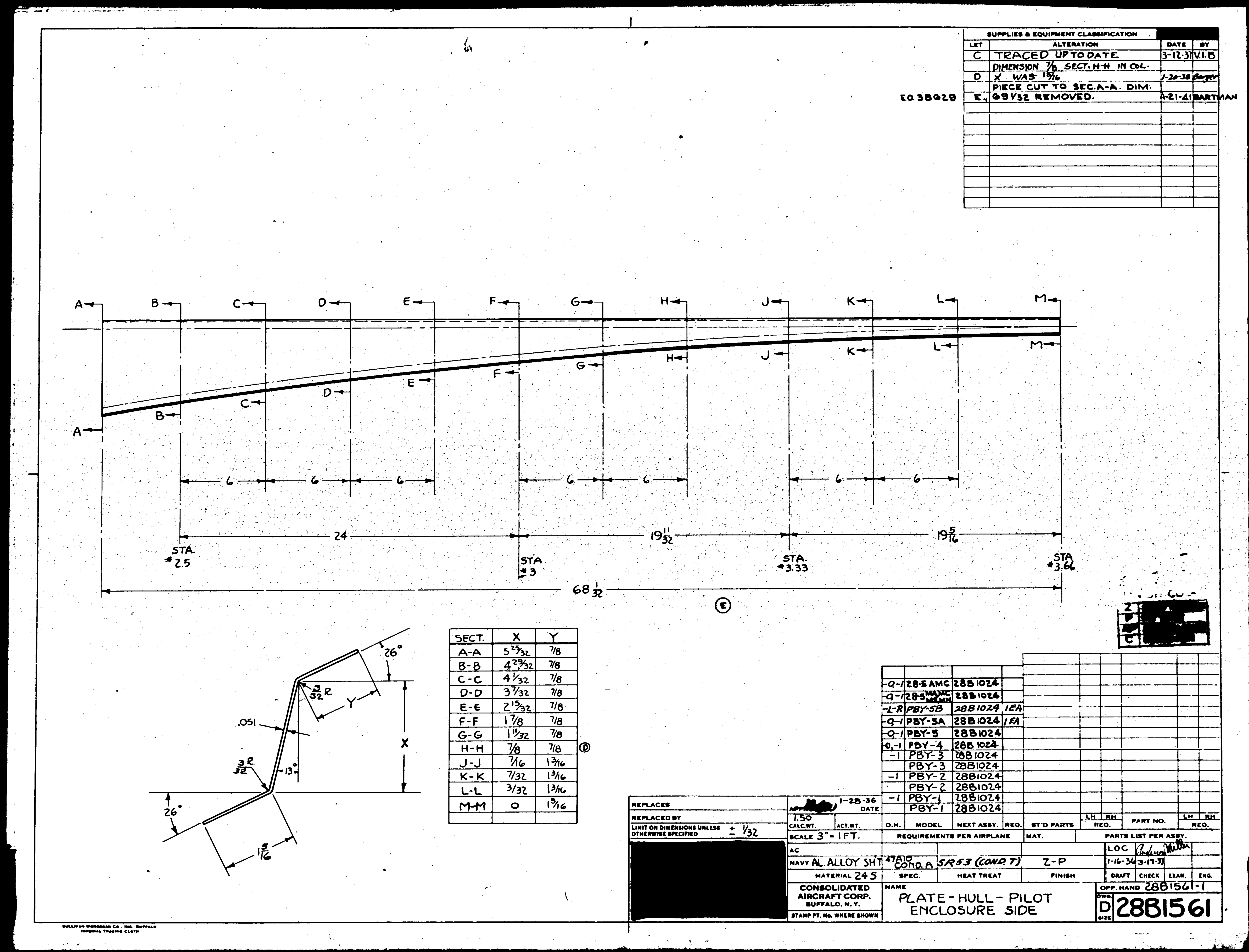
DWG. SIZE D — 28B1509

CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.

R 28B1509



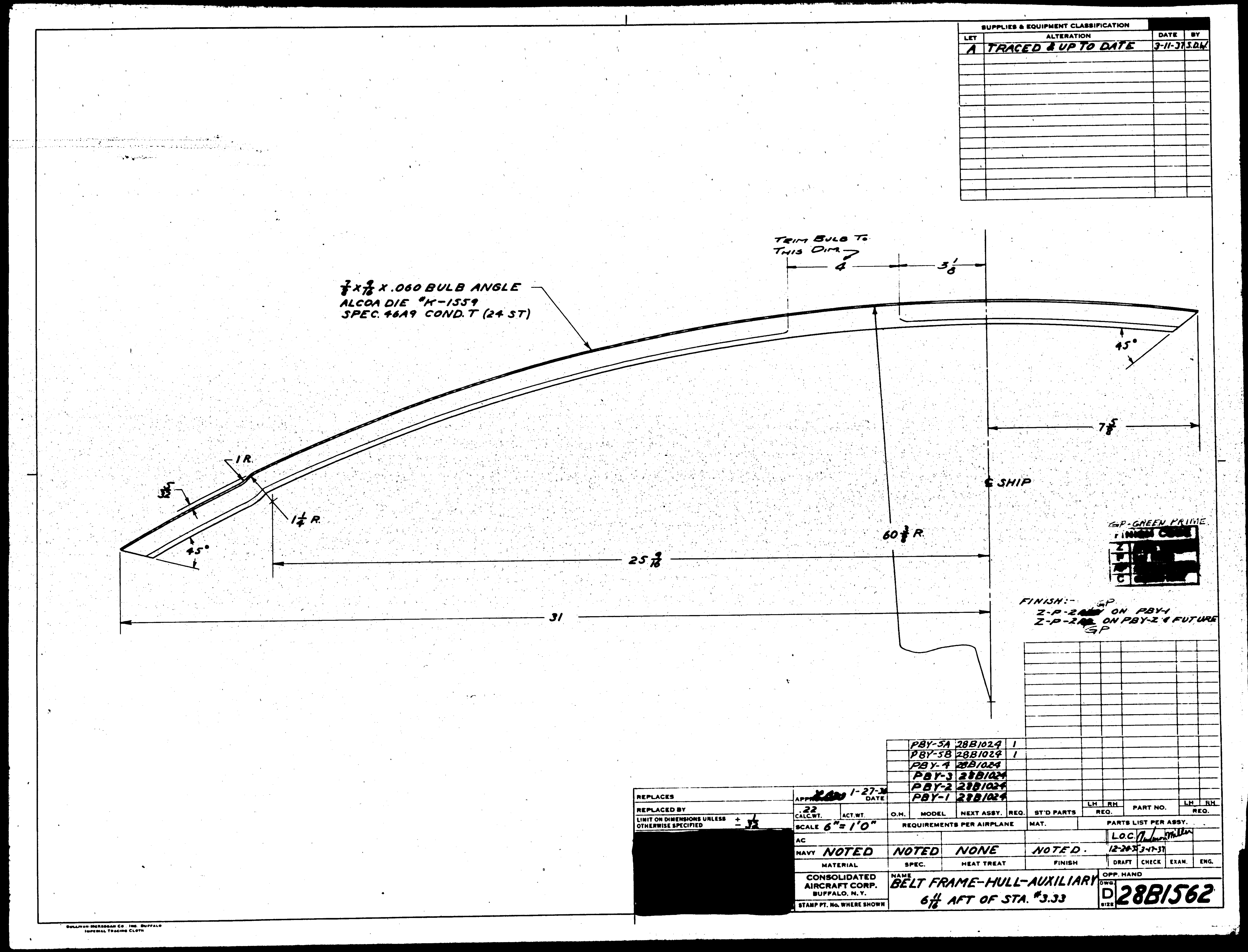
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
E | TRACED TO DATE | 3-11-37
F | CHANGED NOTE TO "THESE HOLES ON PBY-1 ONLY | 1-14-38
G | SEC. AA DIM. 3/8 WAS 9/16. WT. CHG. NEG. | 8-10-42
6 CUTOUTS
FOR XP3Y-1 ONLY
THESE HOLES ON PBY-1 ONLY
5-1½" SPACES
4-1½" SPACES
3-1½" SPACES
DOOR BASE LINE
PRICK PUNCH 21 PLACES THIS SIDE
℄ OF LOCKING KEY BUSHING-ENG REF.
2 PRICK PUNCH HERE
#18 (.1695) DIA 6 HOLES
FULL SIZE DETAILS
2 PRICK PUNCHS HERE
DOOR BASE LINE - "B"-"C"
POINT "B"
POINT "C"
39 3/4 +1/64
FINISH:-
Z-P- ON PBY-1
Z-P- ON PBY-2 & FUTURE
NOTE:- POINTS "B" AND "C" ARE IDENTICAL WITH THOSE OF BASE LINE DIAGRAM 28B1526 REF.
POINT "B" & "C"
A-A
FULL SIZE
FINISH CODE
R | PBY-5B | 28B1527 | 1
L | PBY-5B | 28B1527 | 1
R | PBY-5A | 28B1527 | 1
L | PBY-5A | 28B1527 | 1
R | PBY-5 | 28B1527 | 1
L | PBY-5 | 28B1527 | 1
-1 | PBY-4 | 28B1527
PBY-4 | 28B1527
-1 | PBY-3 | 28B1527
PBY-3 | 28B1527
-1 | PBY-2 | 28B1527
PBY-2 | 28B1527
-1 | PBY-1 | 28B1527
PBY-1 | 28B1527
-1 | XP3Y-1 | 28B1527
XP3Y-1 | 28B1527
R | 28-5AMN | 28B1527 | 1
L | 28-5AMN | 28B1527 | 1
R | 28-5AMC | 28B1527 | 1
L | 28-5AMC | 28B1527 | 1
R | 28-5MN | 28B1527 | 1
L | 28-5MN | 28B1527 | 1
R | 28-5MC | 28B1527 | 1
L | 28-5MC | 28B1527 | 1
R | 28-5MA | 28B1527 | 1
L | 28-5MA | 28B1527 | 1
O.H. | MODEL | NEXT ASS'Y | REQ
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
APPROVED 2-24-36 DATE
CALC. WT. .59 ACT. WT.
SCALE 6"=1'0" & NOTED
REQUIREMENTS PER AIRPLANE
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
MAT.
PARTS LIST PER ASSY.
NAVY 24ST AL. ALLOY | 47A10 COND.-T. | NONE | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
2-6-36 | 3-11-37 | 4-3-36
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME FRAME - HULL - TUNNEL GUN DOOR OPENING SIDE
OPP. HAND 28B1538-1
DWG SIZE D 28B1538



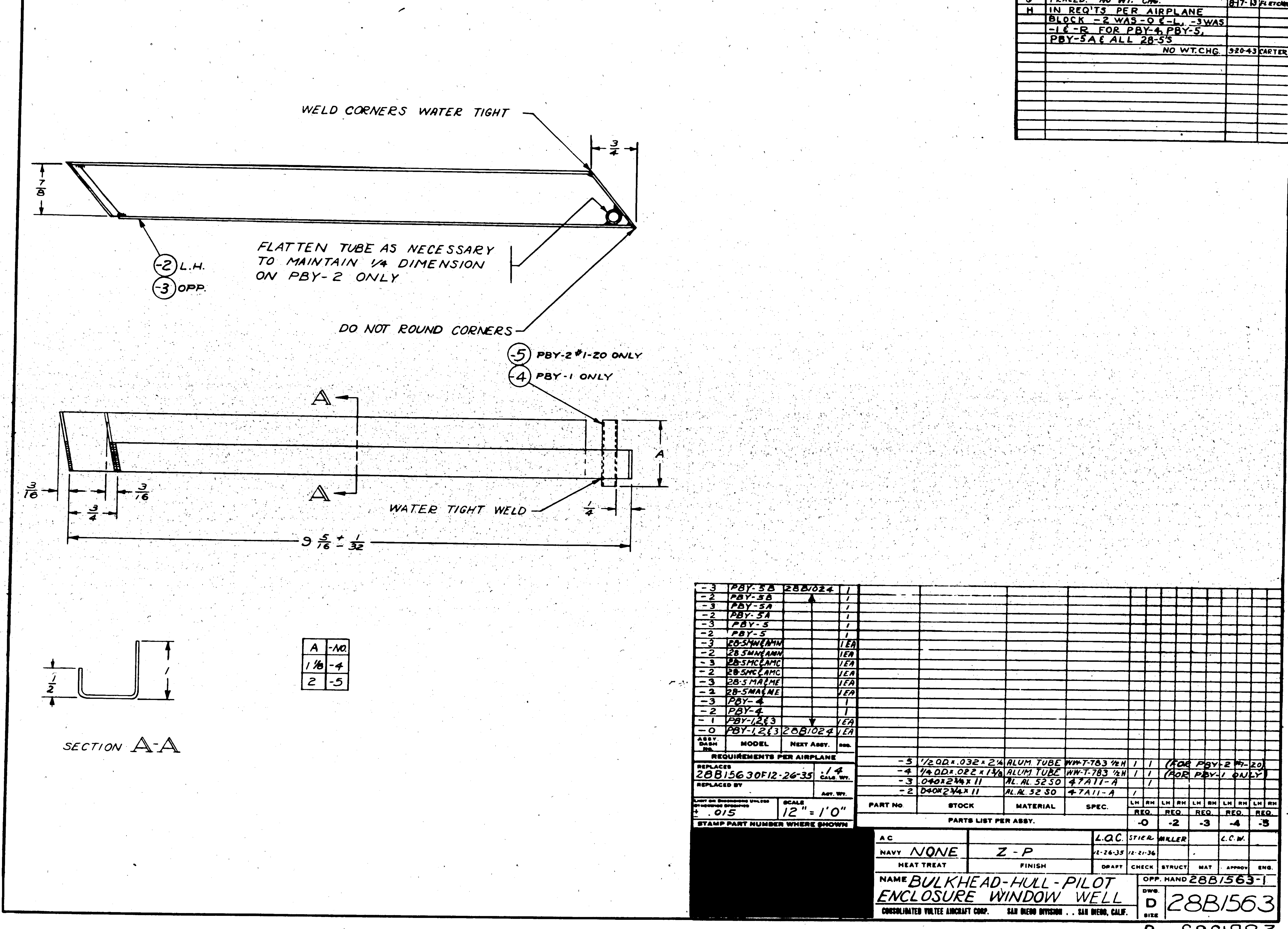
LET	ALTERATION	DATE	BY
C	TRACED UP TO DATE	3-12-37	V.I.B
	DIMENSION 7/8 SECT. H-H IN COL.		
D	X WAS 15/16	1-20-38	Berger
	PIECE CUT TO SEC. A-A. DIM.		
E	68 1/32 REMOVED.	1-21-41	BARTMAN

SECT.	X	Y
A-A	5 25/32	7/8
B-B	4 29/32	7/8
C-C	4 1/32	7/8
D-D	3 7/32	7/8
E-E	2 15/32	7/8
F-F	1 7/8	7/8
G-G	1 1/32	7/8
H-H	7/8	7/8
J-J	7/16	13/16
K-K	7/32	13/16
L-L	3/32	13/16
M-M	0	13/16

O.H.	MODEL	NEXT ASSY.	REQ.
-Q-1	28-5 AMC	28B1024	
-Q-1	28-5	28B1024	
-L-R	PBY-5B	28B1024	1EA
-Q-1	PBY-5A	28B1024	1EA
-Q-1	PBY-5	28B1024	
-Q-1	PBY-4	28B1024	
-1	PBY-3	28B1024	
	PBY-3	28B1024	
-1	PBY-2	28B1024	
	PBY-2	28B1024	
-1	PBY-1	28B1024	
	PBY-1	28B1024	



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED & UP TO DATE | 3-11-37 | S.D.W.
TRIM BULB TO THIS DIM.
4
3 1/8
7/8 x 9/16 x .060 BULB ANGLE
ALCOA DIE #K-1559
SPEC. 46A9 COND. T (24 ST)
45°
7 5/8
1 R.
5/32
1 1/4 R.
℄ SHIP
GP-GREEN PRIME
F I [redacted]
Z
F
C
60 3/8 R.
45°
25 9/16
31
FINISH:- GP
Z-P-2 GP ON PBY-1
Z-P-2 GP ON PBY-2 & FUTURE
PBY-5A 28B1024 1
PBY-5B 28B1024 1
PBY-4 28B1024
PBY-3 28B1024
PBY-2 28B1024
PBY-1 28B1024
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
[redacted]
APP'D DATE 1-27-36
22 CALC. WT.
ACT. WT.
O.H.
MODEL
NEXT ASSY.
REQ.
ST'D PARTS
LH RH REQ.
PART NO.
LH RH REQ.
SCALE 6" = 1'0"
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
AC
L.O.C.
NAVY NOTED
NOTED
NONE
NOTED.
12-28-35 3-17-37
MATERIAL
SPEC.
HEAT TREAT
FINISH
DRAFT
CHECK
EXAM.
ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
BELT FRAME-HULL-AUXILIARY
6 11/16 AFT OF STA. #3.33
OPP. HAND
DWG. SIZE D
28B1562
SULLIVAN-McKEOGAN CO. INC. BUFFALO
IMPERIAL TRACING CLOTH



LET	ALTERATION	DATE	BY
G	TRACED. NO WT. CHG.	8-17-13	FLETCH
H	IN REQ'TS PER AIRPLANE BLOCK -2 WAS -0 & -L, -3 WAS -1 & -R FOR PBY-4, PBY-5, PBY-5A & ALL 28-5'S NO WT. CHG.	3-20-43	CARTER

A	-NO.
1 1/8	-4
2	-5

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
-3	PBY-5B	28B1024	1
-2	PBY-5B		1
-3	PBY-5A		1
-2	PBY-5A		1
-3	PBY-5		1
-2	PBY-5		1
-3	28-5MN & AMN		1 EA
-2	28 5MN & AMN		1 EA
-3	28-5MC & AMC		1 EA
-2	28-5MC & AMC		1 EA
-3	28-5 MA & ME		1 EA
-2	28-5MA & ME		1 EA
-3	PBY-4		1
-2	PBY-4		1
-1	PBY-1,2 & 3		1 EA
-0	PBY-1,2 & 3	28B1024	1 EA

REQUIREMENTS PER AIRPLANE

REPLACES 28B1563 0F 12-26-35 — .14 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .015 — SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 LH	-0 RH	-2 LH	-2 RH	-3 LH	-3 RH	-4 LH	-4 RH	-5 LH	-5 RH
-5	1/2 OD x .032 x 2 1/4	ALUM. TUBE	WW-T-783 1/2H	1	1	(FOR PBY-2 #1-20)							
-4	1/4 OD x .022 x 1 3/8	ALUM. TUBE	WW-T-783 1/2H	1	1	(FOR PBY-1 ONLY)							
-3	.040 x 2 3/4 x 11	AL. AL. 52 SO	47A11-A		1								
-2	.040 x 2 3/4 x 11	AL. AL. 52 SO	47A11-A	1									

PARTS LIST PER ASSY.

		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.
AC		L.Q.C.	STIER	MILLER		L.C.W.	
NAVY NONE	Z - P	12-26-35	12-21-36				
HEAT TREAT	FINISH						

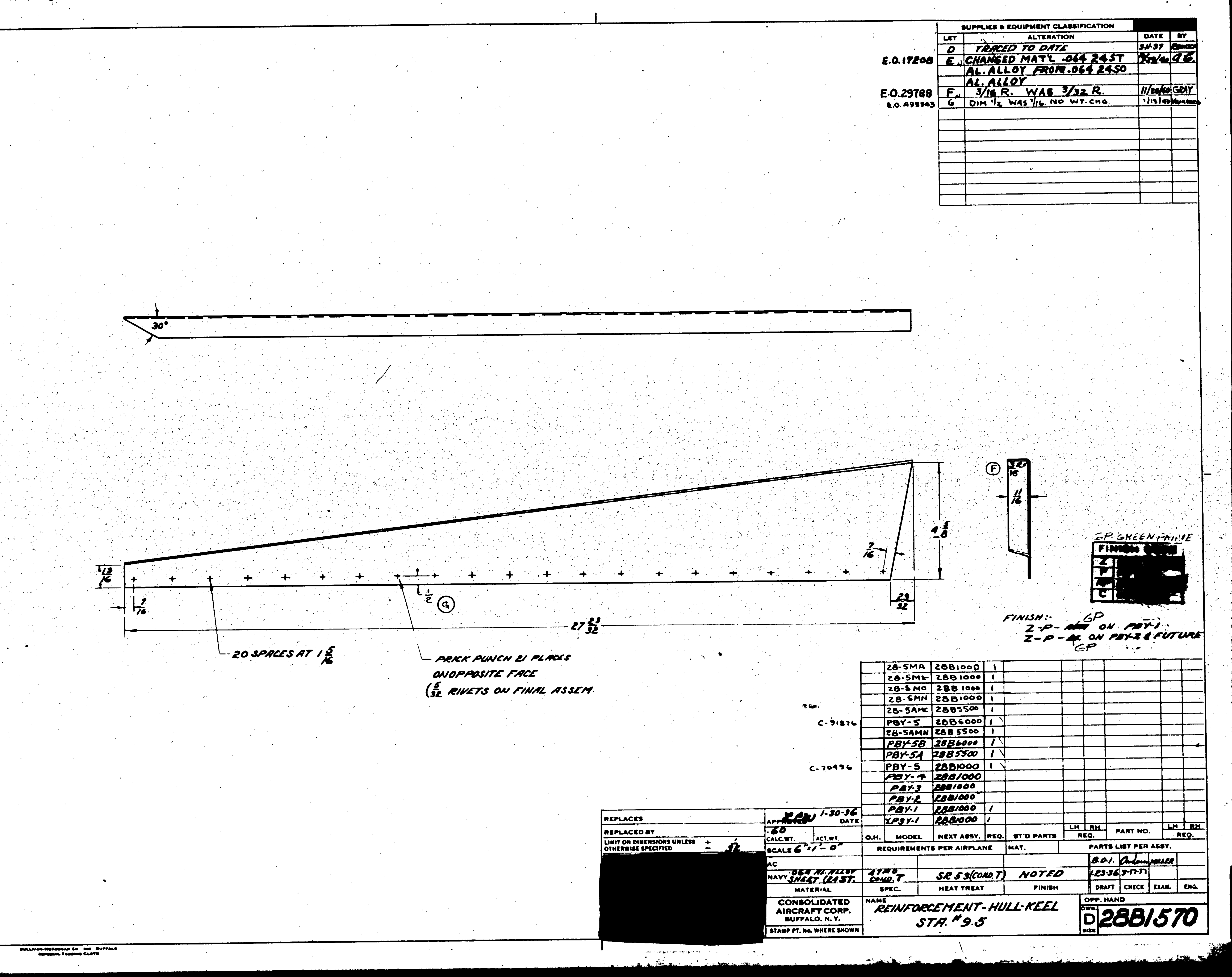
NAME BULKHEAD-HULL-PILOT ENCLOSURE WINDOW WELL

OPP. HAND 28B1563-1

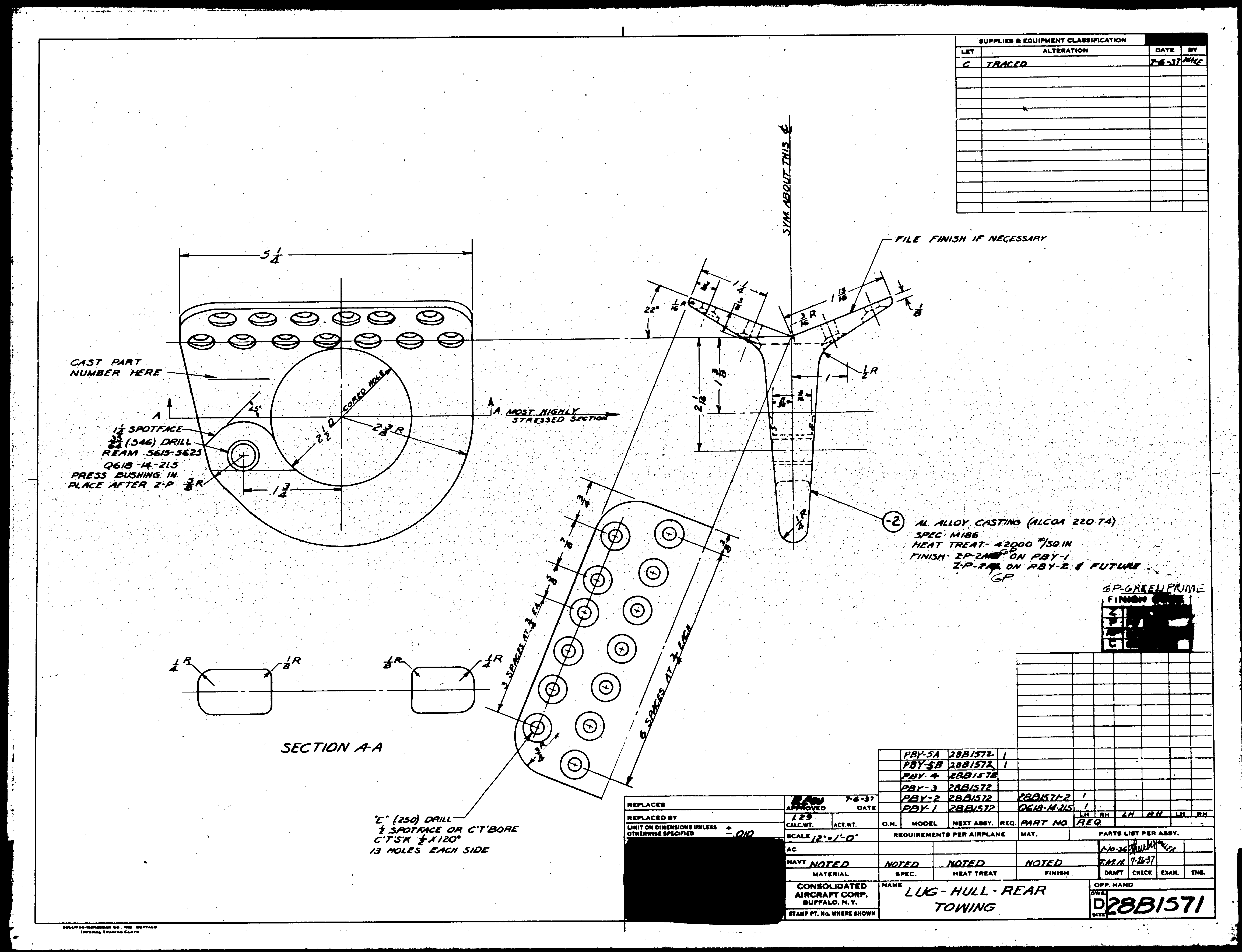
DWG. D SIZE 28B1563

CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.

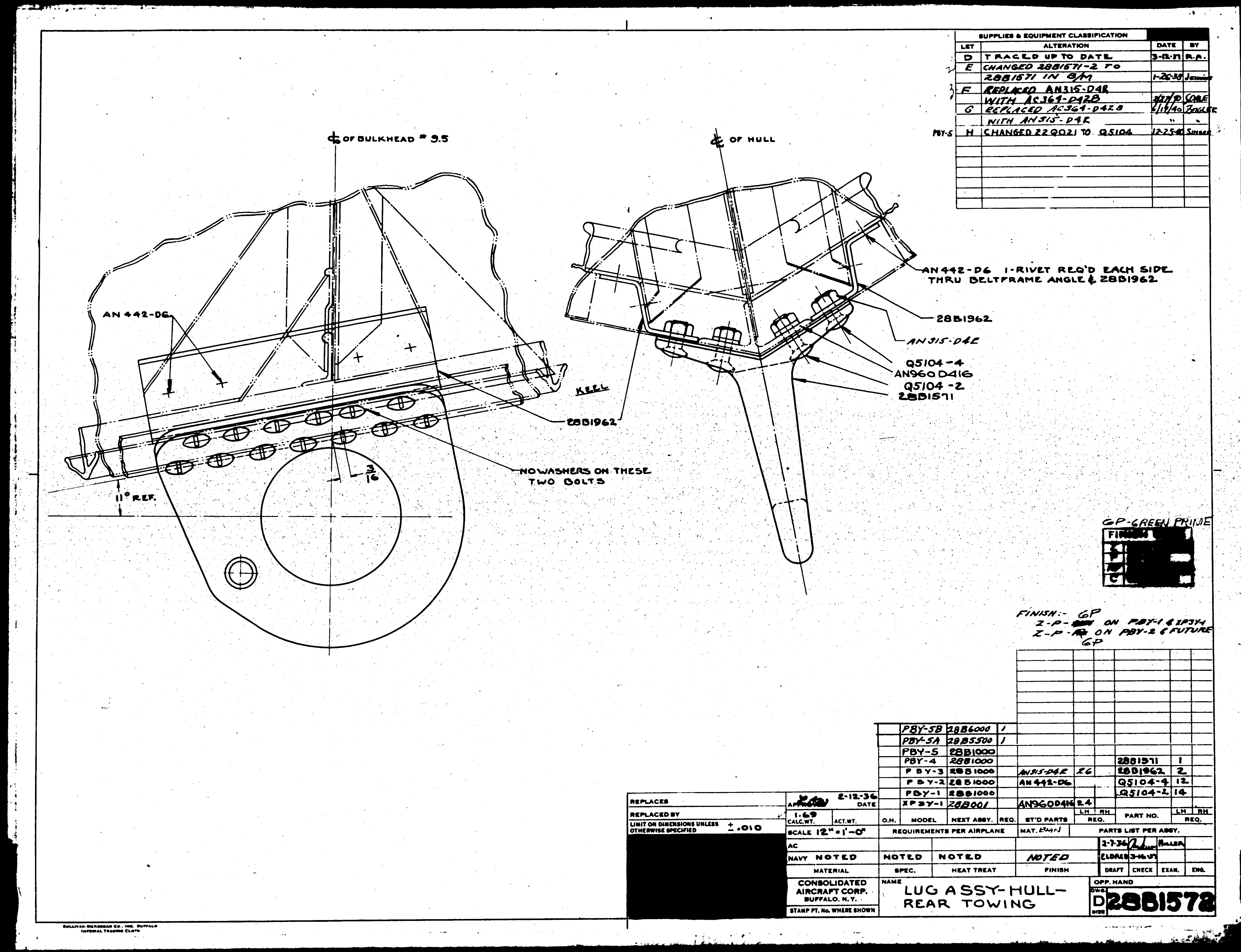
R 28B1563

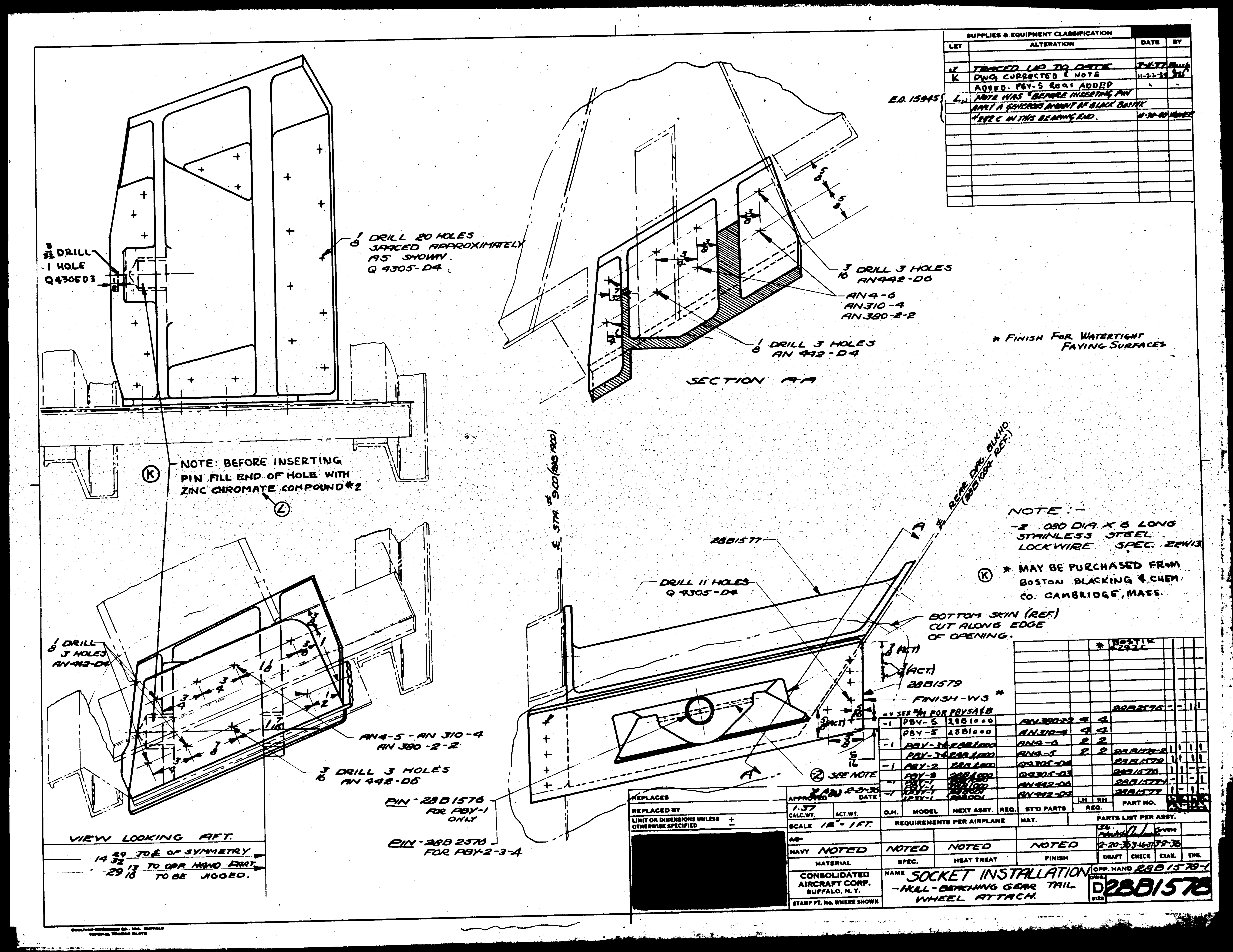


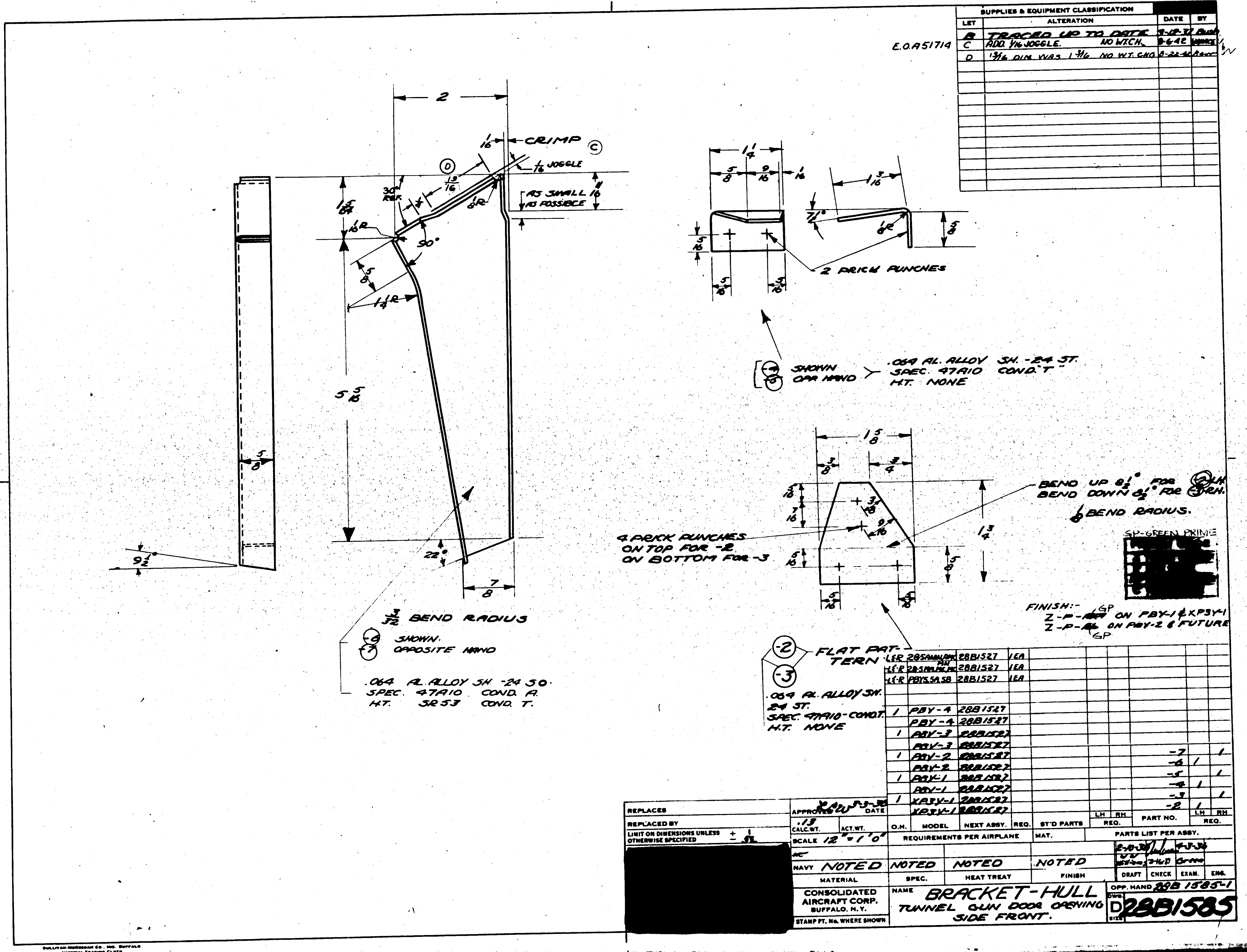
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
D | TRACED TO DATE | 3-1-37
E.O.17208 | E | CHANGED MAT'L .064 24ST AL. ALLOY FROM .064 24SO AL. ALLOY
E.O.29788 | F | 3/16 R. WAS 3/32 R. | 11/26/40 | GRAY
E.O.A95343 | G | DIM 1/2 WAS 7/16. NO WT. CHG.
30°
4 5/8
7/16
13/16
7/16
1/2
29/32
27 23/32
20 SPACES AT 1 5/16
PRICK PUNCH 21 PLACES ON OPPOSITE FACE (5/32 RIVETS ON FINAL ASSEM.
3/16
11/16
GP GREEN PRIME
Z
P
C
[redacted]
FINISH:- Z-P-GP ON PBY-1 Z-P-GP ON PBY-2 & FUTURE
C-91876
C-70496
28-5MA 28B1000 1
28-5ME 28B1000 1
28-5MC 28B1000 1
28-5MN 28B1000 1
28-5AMC 28B5500 1
PBY-5 28B6000 1
28-5AMN 28B5500 1
PBY-5B 28B6000 1
PBY-5A 28B5500 1
PBY-5 28B1000 1
PBY-4 28B1000
PBY-3 28B1000
PBY-2 28B1000
PBY-1 28B1000 1
XP3Y-1 28B1000 1
O.H. | MODEL | NEXT ASSY. | REQ. | STD PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED + 1/32 -
APPROVED 1-30-36 DATE
.60 CALC.WT. ACT.WT.
SCALE 6"=1'-0"
AC
NAVY .064 AL. ALLOY SHEET (24 ST. | 47 M8 COND. T | SR 53 (COND. T) | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
B.O.I. | 1-23-36 | 3-17-37
DRAFT | CHECK | EXAM. | ENG.
[redacted]
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME REINFORCEMENT-HULL-KEEL STA. #9.5
OPP. HAND
DWG. SIZE D 28B1570
SULLIVAN-MCGOWAN CO. INC. BUFFALO IMPERIAL TRACING CLOTH



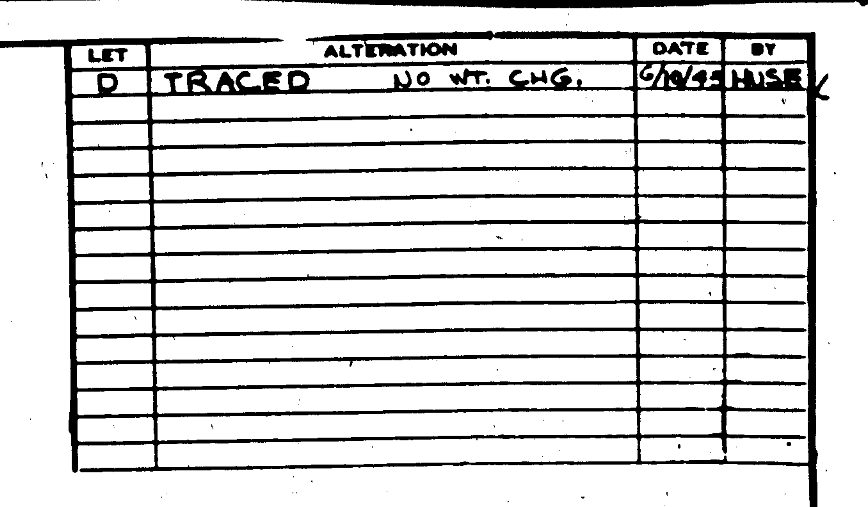
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C | TRACED | 7-6-37
SYM ABOUT THIS ℄
FILE FINISH IF NECESSARY
5 1/4
CAST PART NUMBER HERE
CORED HOLE
A
A MOST HIGHLY STRESSED SECTION
1 1/4 SPOTFACE
35/64 (.546) DRILL
REAM .5615-.5625
Q618-14-21.5
PRESS BUSHING IN PLACE AFTER Z-P
2 1/2 D
2 3/8 R
1 3/4
22°
45°
1 15/16
1 3/8
2 1/16
3/16 R
1/2 R
1/16 R
-2
AL. ALLOY CASTING (ALCOA 220 T4)
SPEC: M186
HEAT TREAT- 42000 #/SQ.IN.
FINISH- Z-P-2 GP ON PBY-1
Z-P-2 GP ON PBY-2 & FUTURE
GP-GREEN PRIME
FINISH
[redacted]
1/4 R
1/8 R
SECTION A-A
3 SPACES AT 3/4 EA.
6 SPACES AT 3/4 EACH
"E" (.250) DRILL
1/2 SPOTFACE OR C'T'BORE
C'T'S'K 1/2 X 120°
13 HOLES EACH SIDE
PBY-5A | 28B1572 | 1
PBY-5B | 28B1572 | 1
PBY-4 | 28B1572
PBY-3 | 28B1572
PBY-2 | 28B1572 | 28B1571-2 | 1
PBY-1 | 28B1572 | Q618-14-21.5 | 1
O.H. | MODEL | NEXT ASSY. | REQ. | PART NO. | REQ.
LH | RH | LH | RH | LH | RH
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
APPROVED 7-6-37 DATE
1.29 CALC. WT. | ACT. WT.
SCALE 12"=1'-0"
AC
NAVY NOTED MATERIAL
NOTED SPEC.
NOTED HEAT TREAT
NOTED FINISH
1-10-36
T.M.H. 7-26-37
DRAFT | CHECK | EXAM. | ENG.
[redacted]
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME LUG-HULL-REAR TOWING
OPP. HAND
DWG. SIZE D 28B1571


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
D | TRACED UP TO DATE | 3-12-37 | R.A.
E | CHANGED 28B1571-2 TO 28B1571 IN B/M | 1-26-38
F | REPLACED AN315-D4R WITH AC364-D42B
G | REPLACED AC364-D428 WITH AN315-D4R | 6/17/40
PBY-5 | H | CHANGED 22Q021 TO Q5104
℄ OF BULKHEAD # 9.5
℄ OF HULL
AN 442-D6
AN442-D6 1-RIVET REQ'D EACH SIDE THRU BELTFRAME ANGLE & 28B1962
28B1962
AN315-D4R
Q5104-4
AN960D416
Q5104-2
28B1571
KEEL
28B1962
NO WASHERS ON THESE TWO BOLTS
3/16
11° REF.
GP-GREEN PRIME
FIN[redacted]
FINISH:- GP
Z-P- ON PBY-1 & XP3Y-1
Z-P- ON PBY-2 & FUTURE
GP
PBY-5B | 28B6000 | 1
PBY-5A | 28B5500 | 1
PBY-5 | 28B1000
PBY-4 | 28B1000 | 28B1571 | 1
PBY-3 | 28B1000 | AN315-D4R | 26 | 28B1962 | 2
PBY-2 | 28B1000 | AN442-D6 | Q5104-4 | 12
PBY-1 | 28B1000 | Q5104-2 | 14
XP3Y-1 | 28B001 | AN960D416 | 24
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
APPROVED 2-12-36 DATE
1.69 CALC.WT. | ACT.WT.
SCALE 12" = 1'-0"
AC
NAVY NOTED | NOTED | NOTED | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
2-7-36 | DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME LUG ASSY-HULL-REAR TOWING
OPP. HAND
DWG. D 28B1572
SULLIVAN-McKEOGAN CO., INC. BUFFALO
IMPERIAL TRACING CLOTH

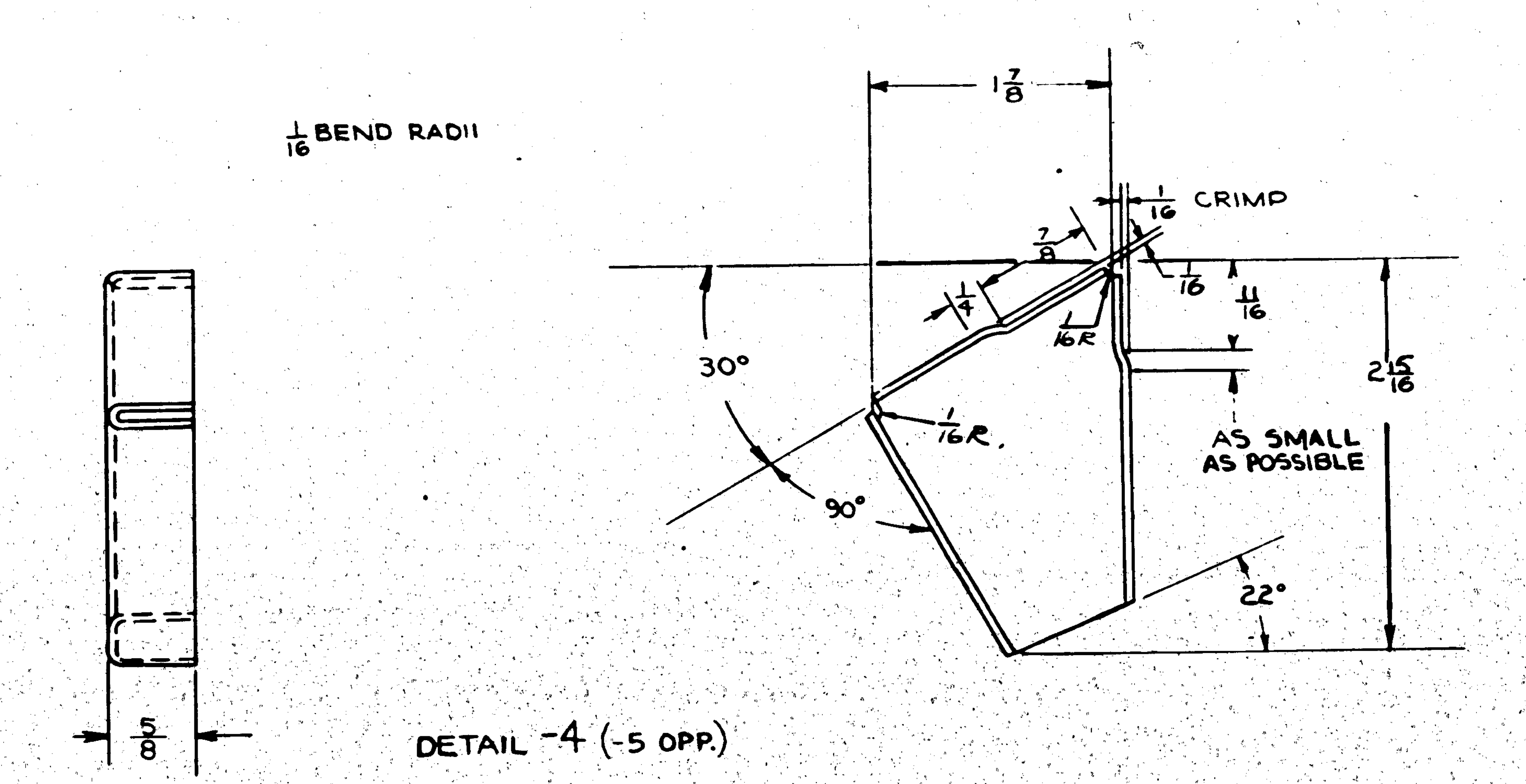

SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
J TRACED UP TO DATE.
K DWG CORRECTED & NOTE
ADDED. PBY-5 REQS ADDED
E.D. 15945 L NOTE WAS "BEFORE INSERTING PIN APPLY A GENEROUS AMOUNT OF BLACK BOSTIK #292C IN THIS BEARING END.
3/32 DRILL - 1 HOLE Q4305D3
1/8 DRILL 20 HOLES SPACED APPROXIMATELY AS SHOWN. Q 4305-D4
3/16 DRILL 3 HOLES AN442-D6
AN4-6
AN310-4
AN380-2-2
1/8 DRILL 3 HOLES AN 442-D4
* FINISH FOR WATERTIGHT FAYING SURFACES
SECTION A-A
NOTE: BEFORE INSERTING PIN FILL END OF HOLE WITH ZINC CHROMATE COMPOUND #2
℄ STA. 9.00
℄ REAR DRG. BLKHD.
NOTE:-
-2 .080 DIA. X 6 LONG STAINLESS STEEL LOCKWIRE SPEC. 22W13
* MAY BE PURCHASED FROM BOSTON BLACKING & CHEM. CO. CAMBRIDGE, MASS.
28B1577
DRILL 11 HOLES Q 4305-D4
BOTTOM SKIN (REF.) CUT ALONG EDGE OF OPENING.
28B1579
FINISH-WS *
1/8 DRILL 3 HOLES AN442-D4
AN4-5 - AN 310-4 AN 380-2-2
3/16 DRILL 3 HOLES AN 442-D6
(2) SEE NOTE
PIN - 28B1576 FOR PBY-1 ONLY
PIN - 28B2576 FOR PBY-2-3-4
VIEW LOOKING AFT.
14 29/32 TO ℄ OF SYMMETRY
29 13/16 TO OPP. HAND PART TO BE JIGGED.
BOSTIK #292C
AN380-2-2
AN310-4
AN4-6
AN4-5
Q4305-D4
Q4305-D3
AN442-D6
AN442-D4
PART NO.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
[redacted]
APPROVED
DATE
CALC.WT. 1.37
ACT.WT.
SCALE 1/2" = 1 FT.
REQUIREMENTS PER AIRPLANE
MAT.
NAVY NOTED
MATERIAL
NOTED
SPEC.
NOTED
HEAT TREAT
NOTED
FINISH
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME SOCKET INSTALLATION -HULL-BEACHING GEAR TAIL WHEEL ATTACH.
OPP. HAND 28B1578-1
D 28B1578

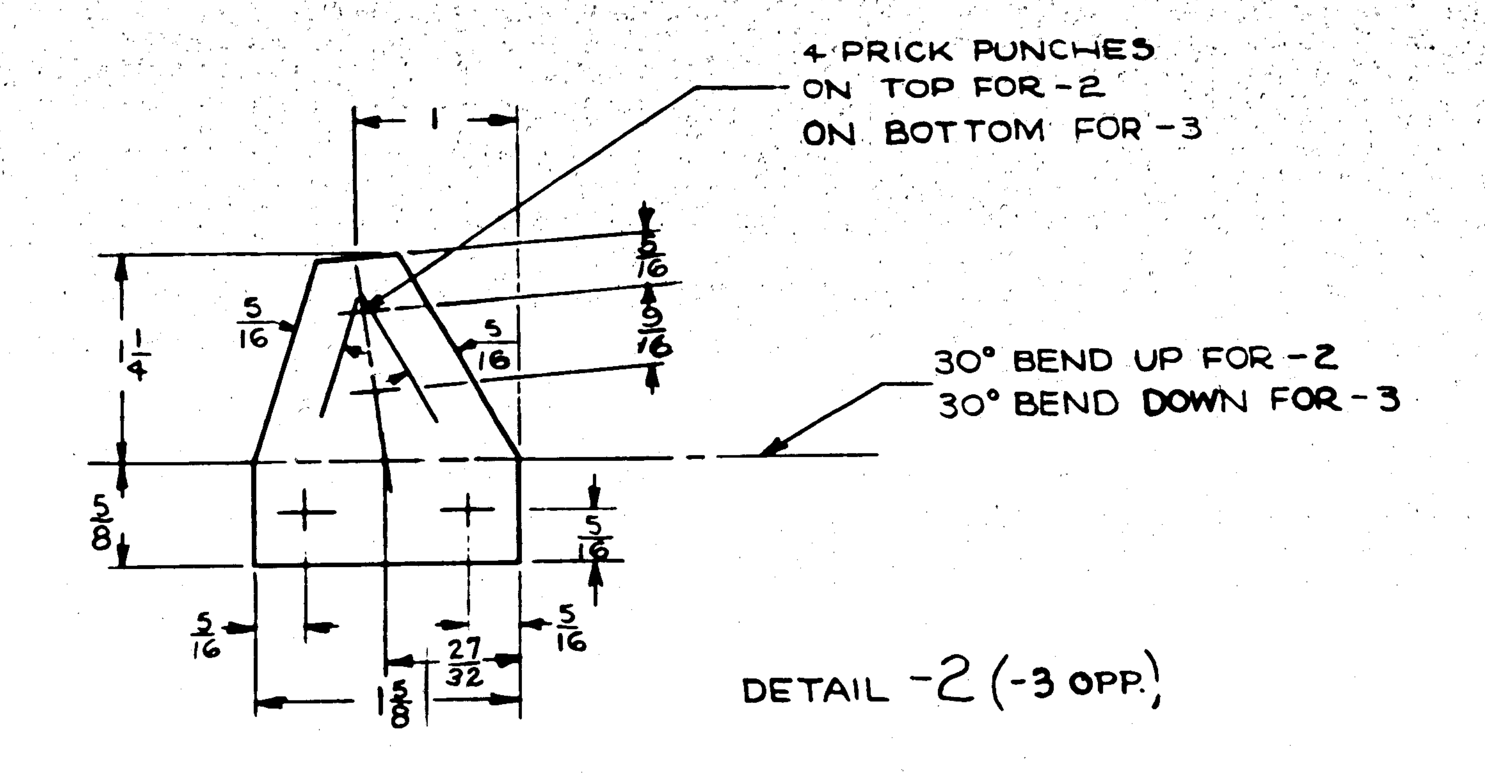


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B TRACED UP TO DATE
C ADD. 1/16 JOGGLE. NO WT.CH. 9-6-42
D 13/16 DIM WAS 1 3/16 NO WT. CHG.
E.O.A 51714
2
1/16 CRIMP (C)
1/16 JOGGLE
(D)
13/16
30° REF.
1/8 R
AS SMALL AS POSSIBLE
11/16
1 5/64
1/16 R
90°
5/8
1 1/4 R
5 5/16
5/8
9 1/2°
22°
7/8
3/32 BEND RADIUS
-6 SHOWN.
-7 OPPOSITE HAND
.064 AL. ALLOY SH. -24 SO.
SPEC. 47A10 COND. A.
H.T. SR53 COND. T.
1 1/4
5/8
9/16
1/16
1 3/16
7 1/2°
1/8 R
5/8
5/16
2 PRICK PUNCHES
-4 SHOWN
-5 OPP HAND
.064 AL. ALLOY SH. -24 ST.
SPEC. 47A10 COND. "T"
H.T. NONE
1 5/8
3/8
3/4
BEND UP 8 1/2° FOR -2 LH.
BEND DOWN 8 1/2° FOR -3 RH.
1/8 BEND RADIUS.
SP-GREEN PRIME
[redacted]
3/16
7/16
9/16
1 3/4
4 PRICK PUNCHES
ON TOP FOR -2
ON BOTTOM FOR -3
5/16
5/8
FINISH:-
Z-P-GP ON PBY-1 & XP3Y-1
Z-P-GP ON PBY-2 & FUTURE
-2 -3 FLAT PATTERN
.064 AL. ALLOY SH. 24 ST.
SPEC. 47A10-COND.T.
H.T. NONE
L&R 28-5AM-1 28B1527 1EA
L&R 28-5MA 28B1527 1EA
L&R PBY5A 28B1527 1EA
1 PBY-4 28B1527
PBY-4 28B1527
1 PBY-3 28B1527
PBY-3 28B1527
1 PBY-2 28B1527
PBY-2 28B1527
1 PBY-1 28B1527
PBY-1 28B1527
1 XP3Y-1 28B1527
XP3Y-1 28B1527
-7 1
-6 1
-5 1
-4 1
-3 1
-2 1
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED + 1/32 -
APPROVED DATE
.13 CALC.WT. ACT.WT.
SCALE 12" = 1'0"
NAVY NOTED NOTED NOTED NOTED
MATERIAL SPEC. HEAT TREAT FINISH
DRAFT CHECK EXAM. ENG.
[redacted]
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME BRACKET-HULL
TUNNEL GUN DOOR OPENING SIDE FRONT.
OPP. HAND 28B1585-1
DWG. D SIZE 28B1585



LET	ALTERATION	DATE	BY
D	TRACED NO WT. CHG.	6/10/45	HUSE





ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
L	PBY-5B	28B1527	1
R	PBY-5B	28B1527	1
L	PBY-5	28B1527	1
R	PBY-5	28B1527	1
L	ALL 28-5's	28B1527	1 EA
R	ALL 28-5's	28B1527	1 EA
R	PBY-5A	28B1527	1
L	PBY-5A	28B1527	1
-1	PBY-3-4	28B1527	1
	PBY-3-4	28B1527	1
-1	PBY-2	28B1527	1
	PBY-2	28B1527	1
-1	PBY-1	28B1527	1
	PBY-1	28B1527	1

REQUIREMENTS PER AIRPLANE

PART No	STOCK	MATERIAL	SPEC.	-0 REQ. LH	-0 REQ. RH	-2 REQ. LH	-2 REQ. RH	-3 REQ. LH	-3 REQ. RH	-4 REQ. RH	-5 REQ. LH	-5 REQ. RH
28B1586-6	.064X3 1/4X3 3/4	ALALSHT	47A10-T		1							
28B1586-4	.064X3 1/4X3 3/4	ALALSHT	47A10-T	1								
28B1586-3	.064X2 X 1 3/4	ALALSHT	47A10-T		1							
28B1586-2	.064X 2 X 1 3/4	ALALSHT	47A10-T	1								

PARTS LIST PER ASSY.

REPLACES 28B1586 5/11/36 CALC WT.
REPLACED BY ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12"=1'0"
STAMP PART NUMBER WHERE SHOWN

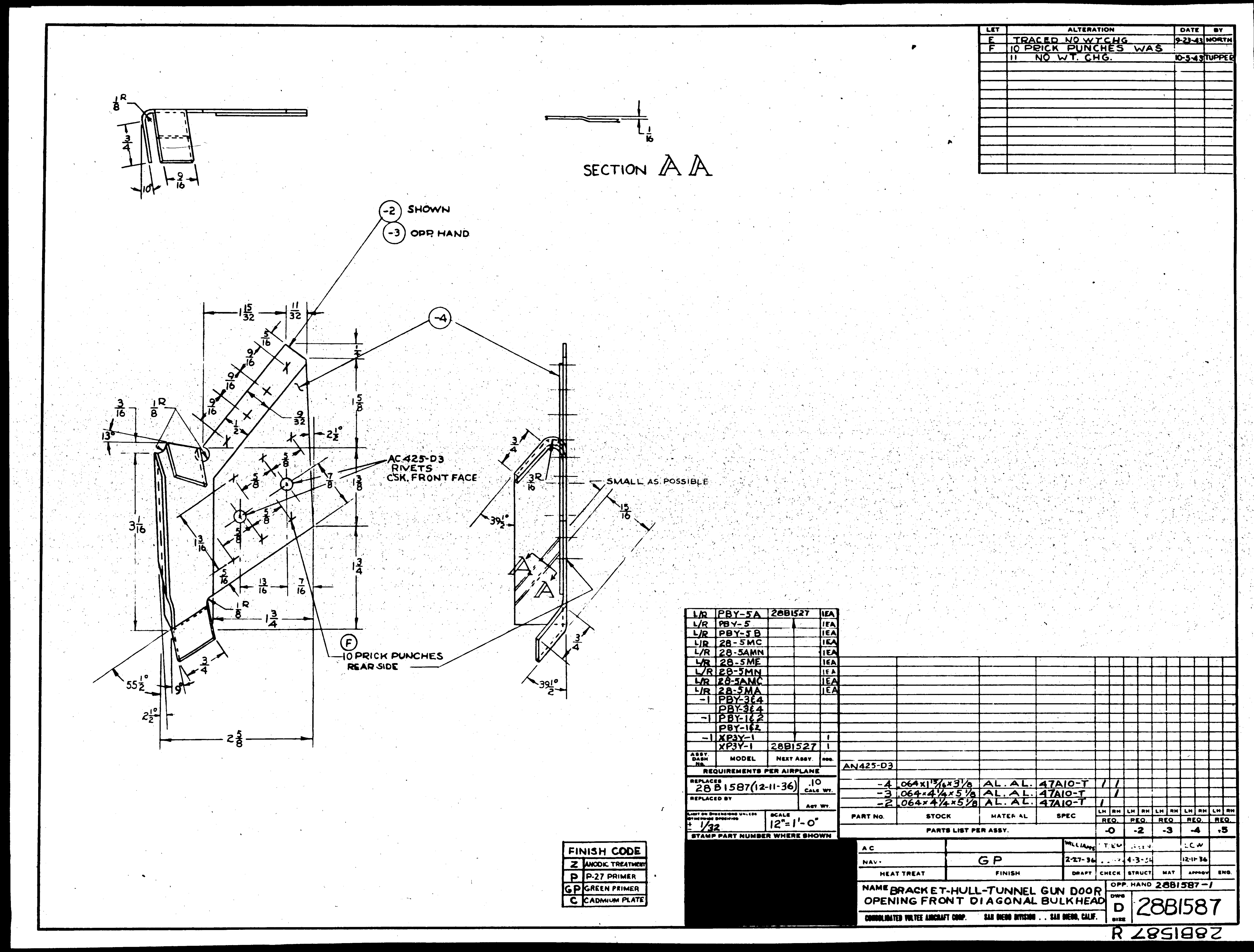
[redacted]

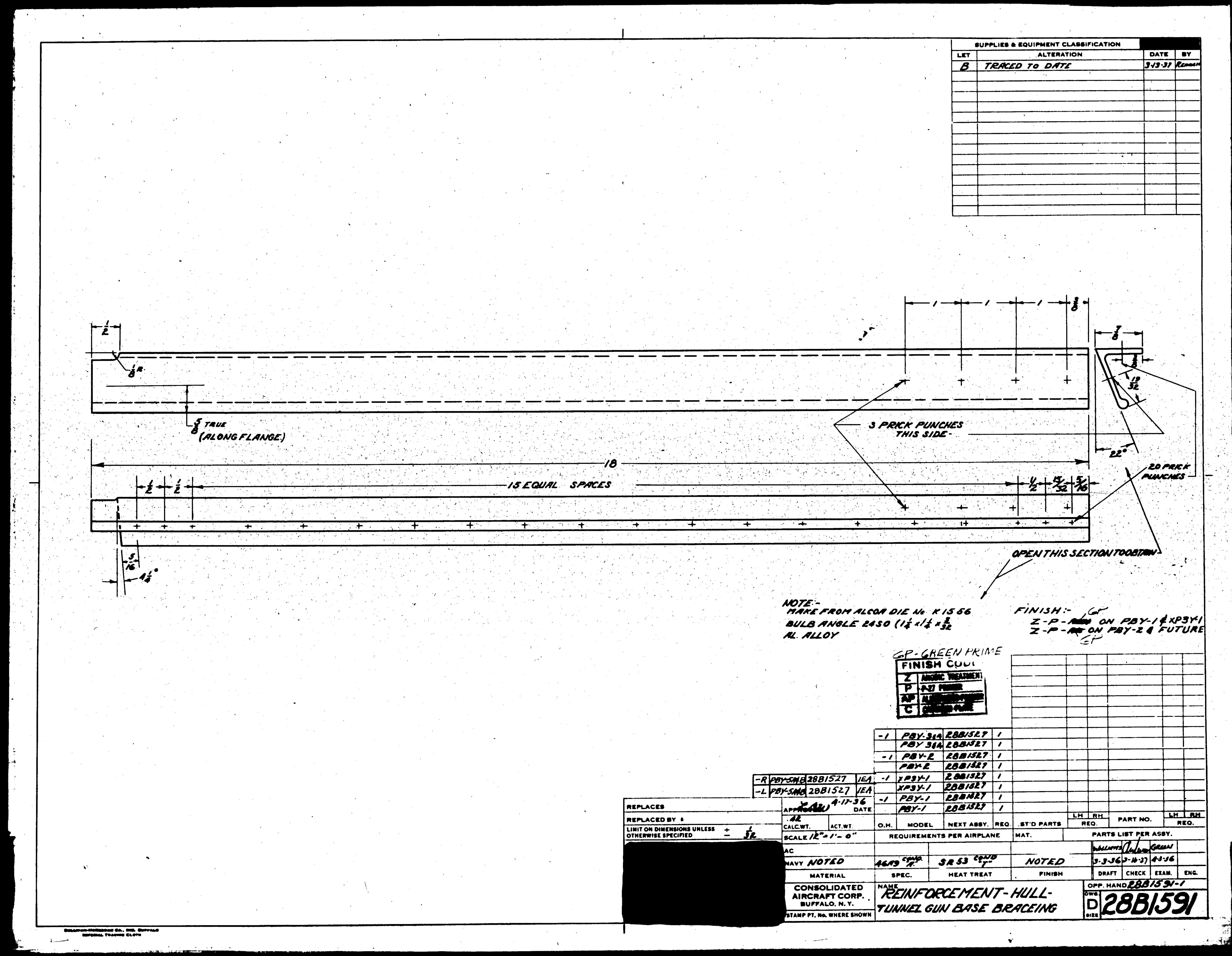
AC		Gildr.	Stier		Allen	
NAVY	Z-P-GP	5 11 36	2 21 36		Cheek	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

NAME BRACKET-HULL-TUNNEL GUN DOOR OPENING SIDE REAR
OPP. HAND
DWG SIZE D 28B1586
CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.

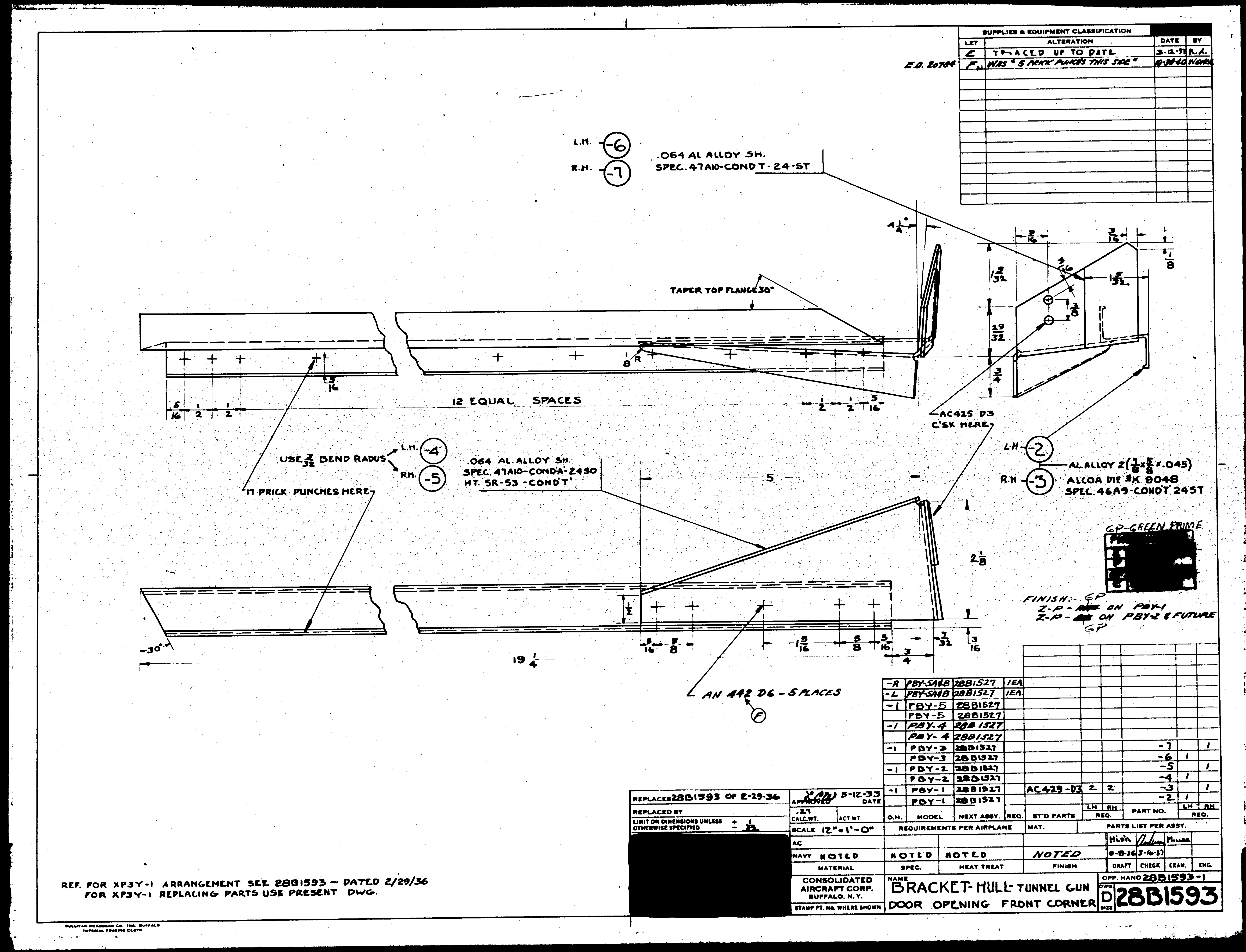
REF.
FOR XP3Y-1 ARRANGEMENT SEE 28B1586 OF 2-13-36
FOR XP3Y-1 REPLACEMENT SEE PRESENT DWG.

R 28B1586

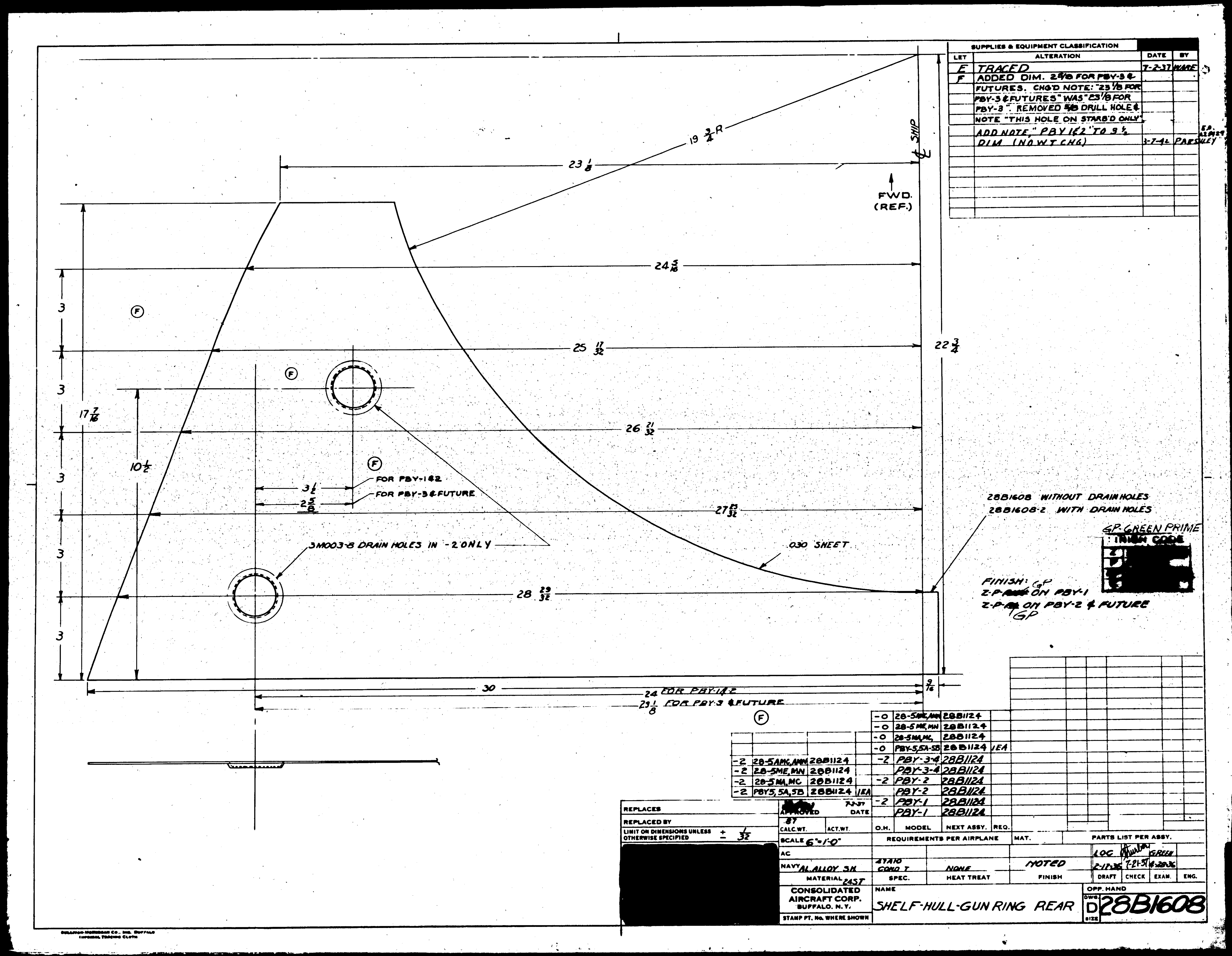

LET | ALTERATION | DATE | BY
E | TRACED NO WT CHG | 9-23-43 | NORTH
F | 10 PRICK PUNCHES WAS 11 NO WT. CHG. | 10-5-43 | TUPPER
SECTION AA
-2 SHOWN
-3 OPP. HAND
-4
AC425-D3 RIVETS CSK. FRONT FACE
SMALL AS POSSIBLE
F
10 PRICK PUNCHES REAR SIDE
L/R | PBY-5A | 28B1527 | 1EA
L/R | PBY-5 | | 1EA
L/R | PBY-5B | | 1EA
L/R | 28-5MC | | 1EA
L/R | 28-5AMN | | 1EA
L/R | 28-5ME | | 1EA
L/R | 28-5MN | | 1EA
L/R | 28-5AMC | | 1EA
L/R | 28-5MA | | 1EA
-1 | PBY-3&4
PBY-3&4
-1 | PBY-1&2
PBY-1&2
-1 | XP3Y-1 | | 1
XP3Y-1 | 28B1527 | 1
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES 28B1587(12-11-36)
.10 CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12"=1'-0"
STAMP PART NUMBER WHERE SHOWN
AN425-D3
-4 | .064x1 15/16x3 1/8 | AL. AL. | 47A10-T
-3 | .064x4 1/4x5 1/8 | AL. AL. | 47A10-T
-2 | .064x4 1/4x5 1/8 | AL. AL. | 47A10-T
PART NO. | STOCK | MATERIAL | SPEC
LH RH REQ. -0 | -2 | -3 | -4 | -5
PARTS LIST PER ASSY.
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
GP GREEN PRIMER
C CADMIUM PLATE
[redacted]
AC
NAV.
HEAT TREAT
GP
FINISH
WILLIAMS 2-27-36 DRAFT
CHECK
4-3-36 STRUCT
MAT
LCW 12-11-36 APPROV
ENG.
OPP. HAND 28B1587-1
NAME BRACKET-HULL-TUNNEL GUN DOOR OPENING FRONT DIAGONAL BULKHEAD
DWG D SIZE 28B1587
CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.
R 28B1587



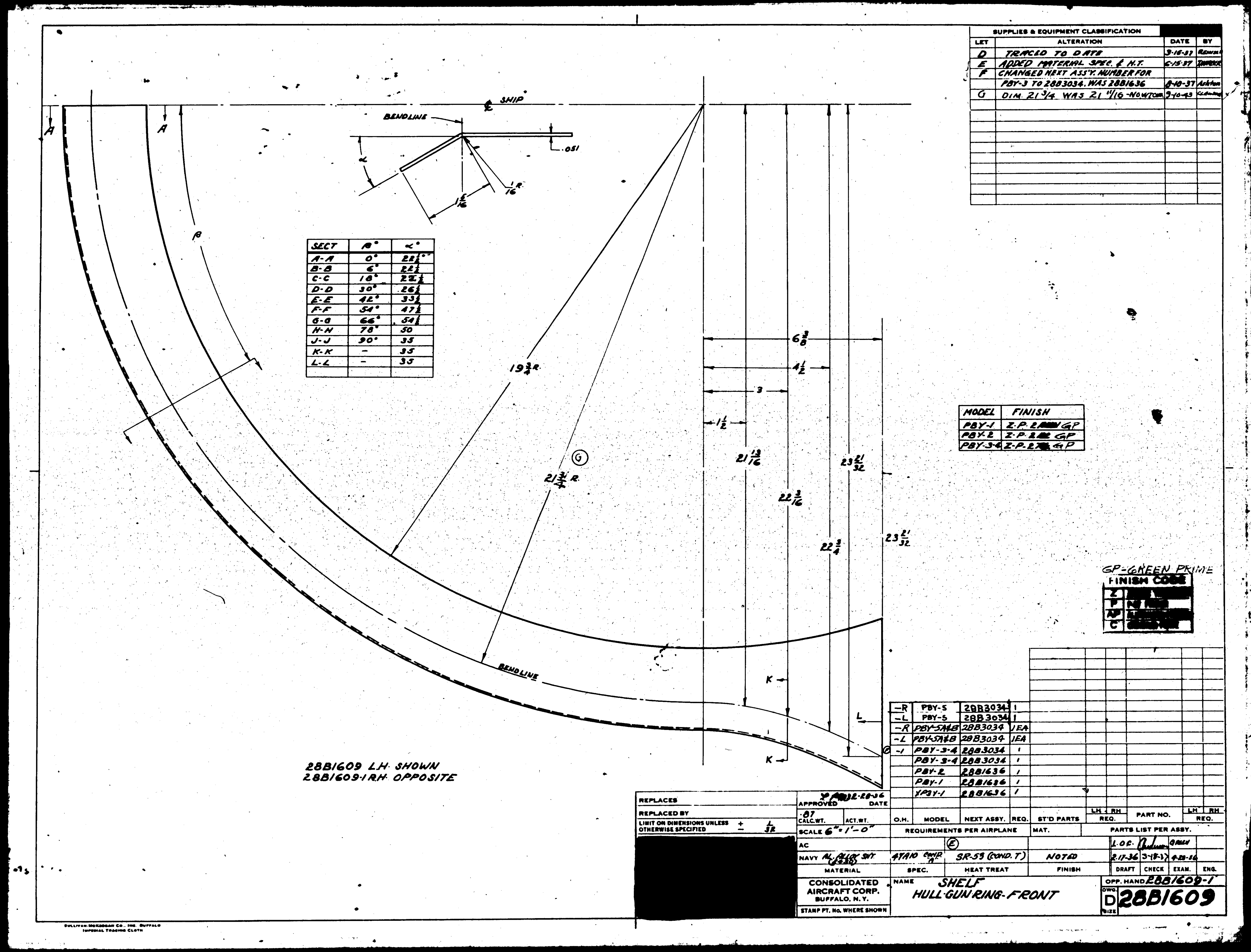
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B | TRACED TO DATE | 3-13-37
1/2
1/8 R.
5/8 TRUE (ALONG FLANGE)
1 — 1 — 1 — 3/8
7/8
3/8
19/32
22°
3 PRICK PUNCHES THIS SIDE-
18
1/2 — 1/2 — 15 EQUAL SPACES — 1/2 — 15/32 — 5/16
20 PRICK PUNCHES
5/16
4 1/4°
OPEN THIS SECTION TO OBTAIN
NOTE:- MAKE FROM ALCOA DIE No. K 1566 BULB ANGLE 24SO (1 1/4 x 1 1/4 x 3/32) AL. ALLOY
FINISH:- Z-P-GP ON PBY-1 & XP3Y-1
Z-P-GP ON PBY-2 & FUTURE
GP-GREEN PRIME
FINISH CODE
Z ANODIC TREATMENT
P
AP
C
-1 PBY-3 28B1527 1
PBY 3 28B1527 1
-1 PBY-2 28B1527 1
PBY-2 28B1527 1
-R PBY-5 28B1527 1EA
-L PBY-5 28B1527 1EA
-1 XP3Y-1 28B1527 1
XP3Y-1 28B1527 1
-1 PBY-1 28B1527 1
PBY-1 28B1527 1
O.H. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
[redacted]
APPROVED 4-17-36 DATE
.42 CALC.WT. ACT.WT.
SCALE 12" = 1'-0"
AC
NAVY NOTED | 46A9 COND. "A" | SR 53 COND. "T" | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
3-3-36 | 3-16-37 | 4-3-36
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME REINFORCEMENT-HULL-TUNNEL GUN BASE BRACEING
OPP. HAND 28B1591-1
DWG. SIZE D 28B1591



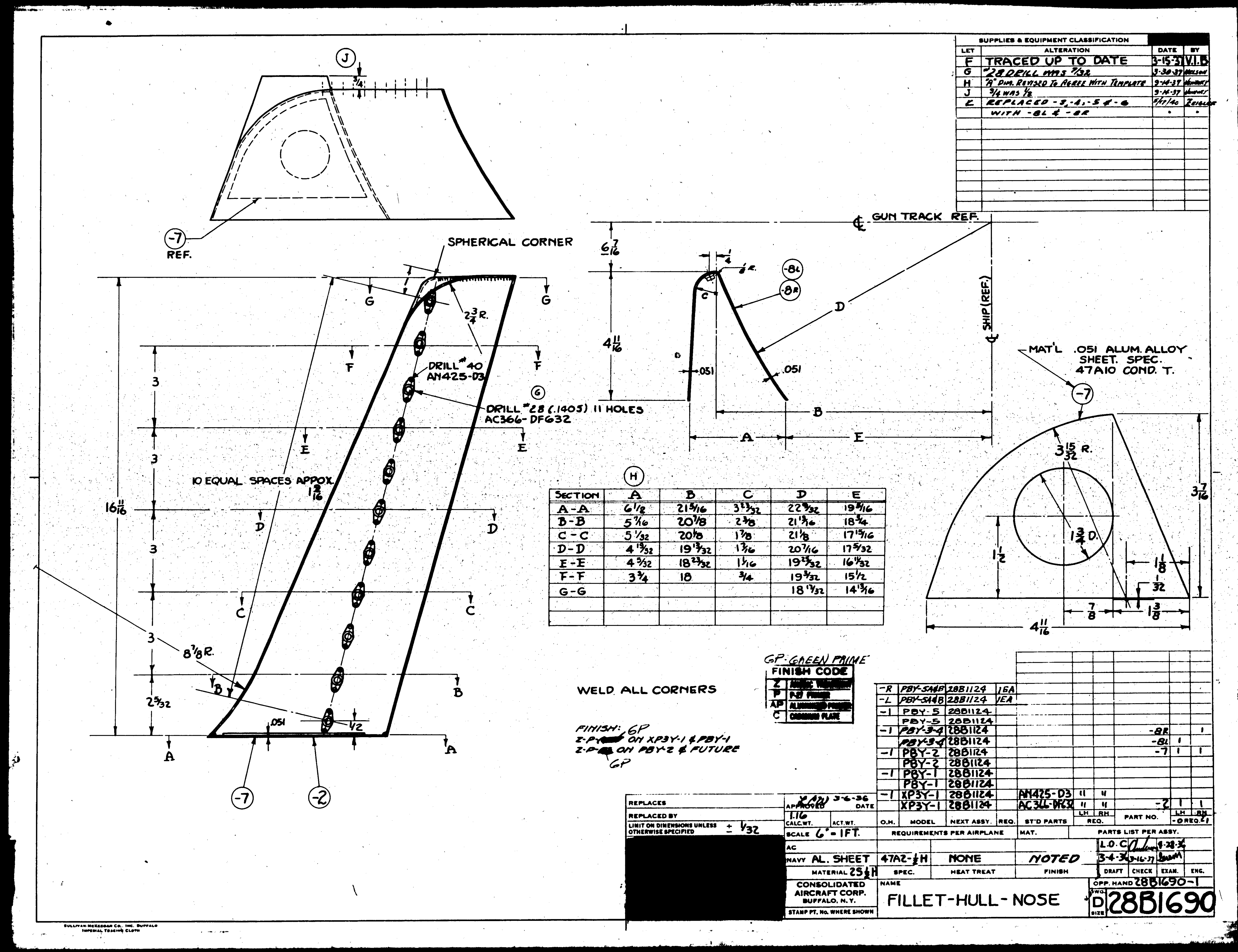
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
E | TRACED UP TO DATE | 3-12-38 | R.A.
E.O. 20764 F | WAS "5 PRICK PUNCHES THIS SIDE"
L.H. -6
R.H. -7
.064 AL ALLOY SH.
SPEC. 47A10-COND T-24-ST
TAPER TOP FLANGE 30°
12 EQUAL SPACES
AC425 D3
C'SK HERE
LH -2
RH -3
AL. ALLOY Z(7/8 x 5/8 x .045)
ALCOA DIE #K 8048
SPEC. 46A9-COND'T 24ST
USE 3/32 BEND RADIUS
L.H. -4
RH. -5
.064 AL. ALLOY SH.
SPEC. 47A10-COND'A'-24SO
HT. SR-53 -COND'T'
17 PRICK PUNCHES HERE
GP-GREEN PRIME
[redacted]
FINISH:- GP
Z-P- ON PBY-1
Z-P- ON PBY-2 & FUTURE
GP
AN 442 D6 - 5 PLACES
F
-R | PBY-5A&B | 28B1527 | 1EA
-L | PBY-5A&B | 28B1527 | 1EA
-1 | PBY-5 | 28B1527
PBY-5 | 28B1527
-1 | PBY-4 | 28B1527
PBY-4 | 28B1527
-1 | PBY-3 | 28B1527 | -7 | 1
PBY-3 | 28B1527 | -6 | 1
-1 | PBY-2 | 28B1527 | -5 | 1
PBY-2 | 28B1527 | -4 | 1
-1 | PBY-1 | 28B1527 | AC425-D3 | 2 | 2 | -3 | 1
PBY-1 | 28B1527 | -2 | 1
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES 28B1593 OF 2-29-36
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
[redacted]
APPROVED 5-12-33 DATE
.27 CALC.WT. | ACT.WT.
SCALE 12" = 1'-0"
AC
NAVY NOTED | NOTED | NOTED | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
DRAFT | CHECK | EXAM. | ENG.
8-8-36 | 3-16-37
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME BRACKET-HULL-TUNNEL GUN DOOR OPENING FRONT CORNER
OPP. HAND 28B1593-1
DWG. D SIZE 28B1593
REF. FOR XP3Y-1 ARRANGEMENT SEE 28B1593 - DATED 2/29/36
FOR XP3Y-1 REPLACING PARTS USE PRESENT DWG.



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
E TRACED 7-2-37 WARE
F ADDED DIM. 23 1/8 FOR PBY-3 & FUTURES. CHG'D NOTE: "23 1/8 FOR PBY-3 & FUTURES" WAS "23 1/8 FOR PBY-3". REMOVED 5/8 DRILL HOLE & NOTE "THIS HOLE ON STARB'D ONLY"
ADD NOTE, "PBY 1&2" TO 9 1/2 DIM (NO WT CHG) 3-7-46 PARSLEY
℄ SHIP
FWD. (REF.)
19 3/4 R
23 1/8
24 5/16
25 17/32
26 21/32
27 23/32
28 29/32
22 3/4
17 7/16
10 1/2
3
3 1/2 FOR PBY-1&2
2 5/8 FOR PBY-3 & FUTURE
3M003-8 DRAIN HOLES IN -2 ONLY
.030 SHEET
28B1608 WITHOUT DRAIN HOLES
28B1608-2 WITH DRAIN HOLES
GP-GREEN PRIME
FINISH: GP
Z-P- ON PBY-1
Z-P- ON PBY-2 & FUTURE
30
24 FOR PBY-1&2
23 1/8 FOR PBY-3 & FUTURE
9/16
-0 28-5ME,MN 28B1124
-0 28-5ME,MN 28B1124
-0 28-5MA,MC 28B1124
-0 PBY-5,5A-5B 28B1124 1EA
-2 28-5AMC,AMN 28B1124
-2 28-5ME,MN 28B1124
-2 28-5MA,MC 28B1124
-2 PBY5,5A,5B 28B1124 1EA
-2 PBY-3-4 28B1124
PBY-3-4 28B1124
-2 PBY-2 28B1124
PBY-2 28B1124
-2 PBY-1 28B1124
PBY-1 28B1124
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
APPROVED 7-2-37 DATE
.87 CALC.WT. ACT.WT.
O.H. MODEL NEXT ASSY. REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
SCALE 6"=1'-0"
AC
NAVY AL.ALLOY SH.
MATERIAL 24ST
AYA10 COND T SPEC.
NONE HEAT TREAT
NOTED FINISH
LOC 2-17-36 DRAFT
7-21-37 CHECK
GREEN 4-29-36 EXAM.
ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME SHELF-HULL-GUN RING REAR
OPP. HAND
DWG. SIZE D 28B1608



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
D TRACED TO DATE 3-16-37
E ADDED MATERIAL SPEC. & H.T. 6-15-37
F CHANGED NEXT ASS'Y. NUMBER FOR PBY-3 TO 28B3034. WAS 28B1636 8-10-37
G DIM. 21 3/4 WAS 21 11/16 - NOW TO 9-10-43
℄ SHIP
BENDLINE
.051
α
1 5/16
1/16 R.
A
A
β
SECT | β° | α°
A-A | 0° | 22½°
B-B | 6° | 22½
C-C | 18° | 22½
D-D | 30° | 26½
E-E | 42° | 33½
F-F | 54° | 47½
G-G | 66° | 54½
H-H | 78° | 50
J-J | 90° | 35
K-K | – | 35
L-L | – | 35
19 3/4 R.
21 3/4 R.
G
6 3/8
4 1/2
3
1 1/2
21 13/16
22 3/16
22 3/4
23 21/32
23 21/32
MODEL | FINISH
PBY-1 | Z.P. 2 GP
PBY-2 | Z.P. 2 GP
PBY-3-4 | Z.P. 2 GP
GP-GREEN PRIME
FINISH CODE
Z
P
AP
C
[redacted]
BENDLINE
K
K
L
28B1609 L.H. SHOWN
28B1609-1 R.H. OPPOSITE
-R PBY-5 28B3034 1
-L PBY-5 28B3034 1
-R PBY-5A&B 28B3034 1EA
-L PBY-5A&B 28B3034 1EA
-1 PBY-3-4 28B3034 1
PBY-3-4 28B3034 1
PBY-2 28B1636 1
PBY-1 28B1636 1
YP3Y-1 28B1636 1
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED + 1/32 −
APPROVED DATE
.87 CALC.WT. ACT.WT.
SCALE 6" = 1'-0"
AC
NAVY AL. ALLOY SHT. (.051) 4TA10 COND. A SR-59 (COND. T) NOTED
MATERIAL SPEC. HEAT TREAT FINISH
E
L.O.F.
2-17-36 3-18-37 4-28-36
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME SHELF HULL-GUN RING-FRONT
OPP. HAND 28B1609-1
DWG. SIZE D 28B1609
SULLIVAN-McKEOGAN CO., INC. BUFFALO
IMPERIAL TRACING CLOTH

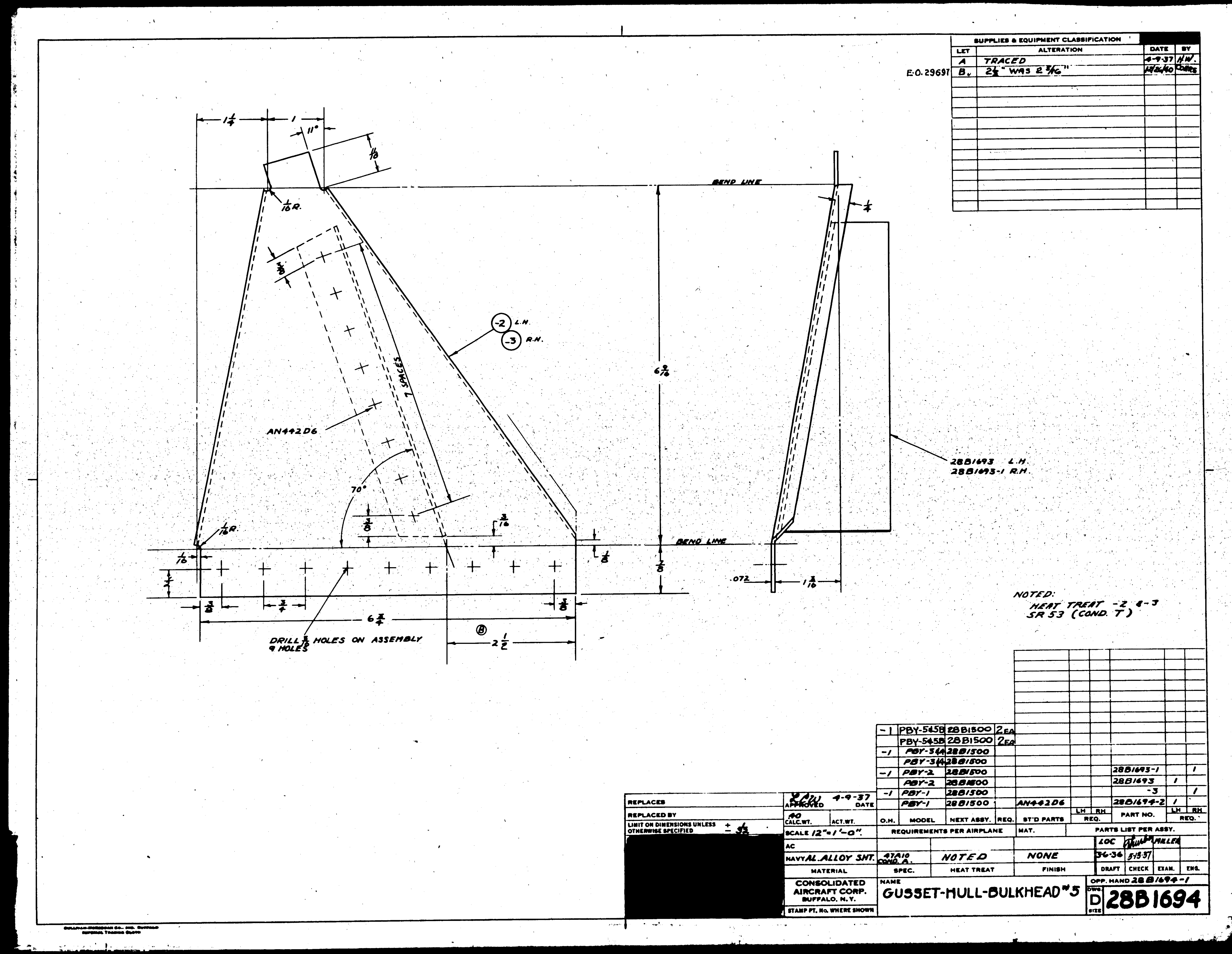


LET	ALTERATION	DATE	BY
F	TRACED UP TO DATE	3-15-37	V.I.B
G	#28 DRILL WAS 7/32	3-30-37	NELSON
H	"A" DIM. REVISED TO AGREE WITH TEMPLATE	9-14-37	[illegible]
J	3/4 WAS 1/2	9-14-37	[illegible]
L	REPLACED -3, -4, -5 & -6	5/17/40	ZEIGLER
	WITH -8L & -8R	•	•

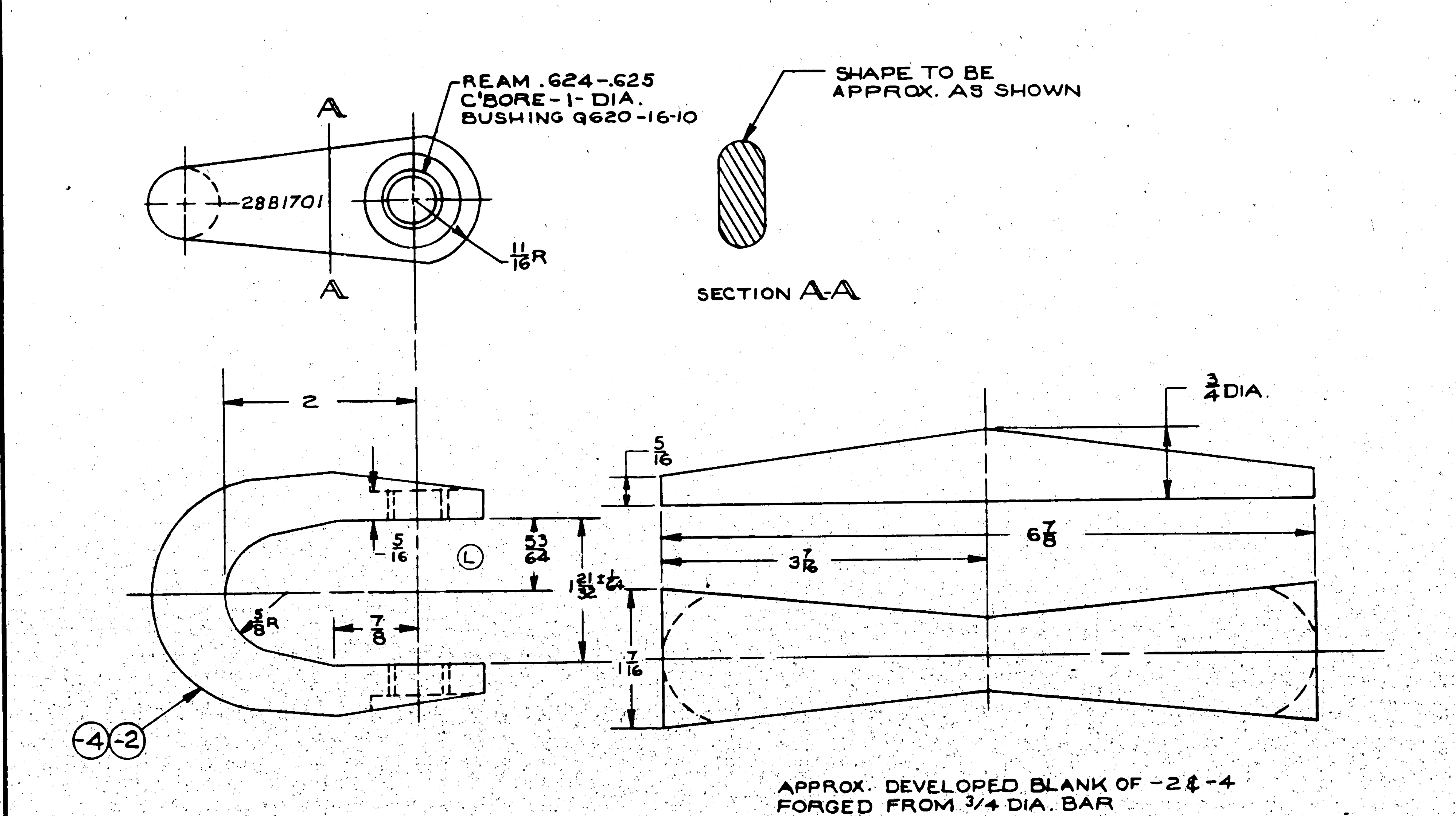
(H)

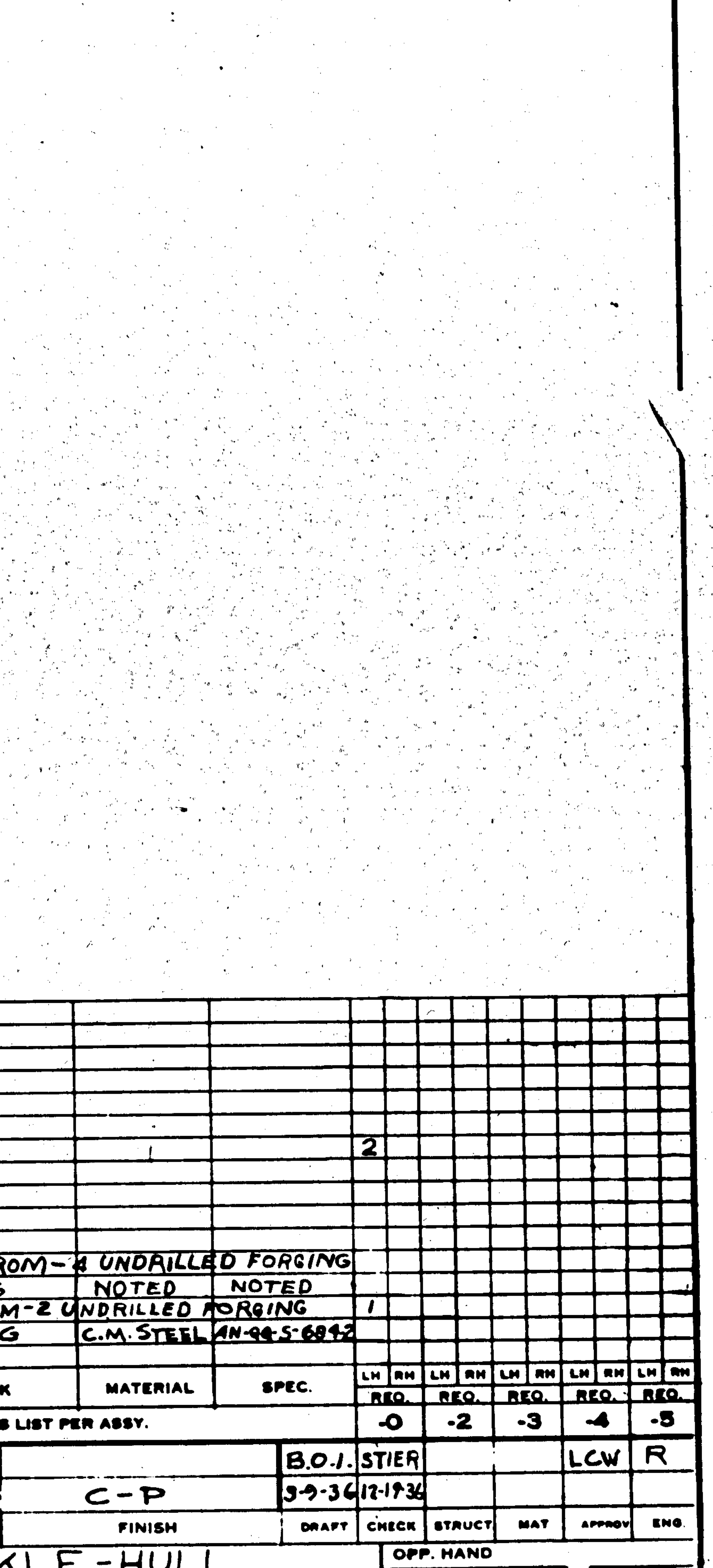
SECTION	A	B	C	D	E
A-A	6 1/8	21 5/16	3 23/32	22 9/32	19 5/16
B-B	5 7/16	20 7/8	2 3/8	21 13/16	18 3/4
C-C	5 1/32	20 1/8	1 7/8	21 1/8	17 15/16
D-D	4 19/32	19 13/32	1 7/16	20 7/16	17 5/32
E-E	4 5/32	18 23/32	1 1/16	19 23/32	16 11/32
F-F	3 3/4	18	3/4	19 3/32	15 1/2
G-G				18 17/32	14 13/16

O.H.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS	REQ. LH	REQ. RH	PART NO.	LH -0 REQ.	RH -1
-R	PBY-5A&B	28B1124	1EA						
-L	PBY-5A&B	28B1124	1EA						
-1	PBY-5	28B1124							
	PBY-5	28B1124							
-1	PBY-3-4	28B1124					-8R		1
	PBY-3-4	28B1124					-8L	1	
-1	PBY-2	28B1124					-7	1	1
	PBY-2	28B1124							
-1	PBY-1	28B1124							
	PBY-1	28B1124							
-1	XP3Y-1	28B1124		AN425-D3	11	11			
	XP3Y-1	28B1124		AC366-DF632	11	11	-2	1	1



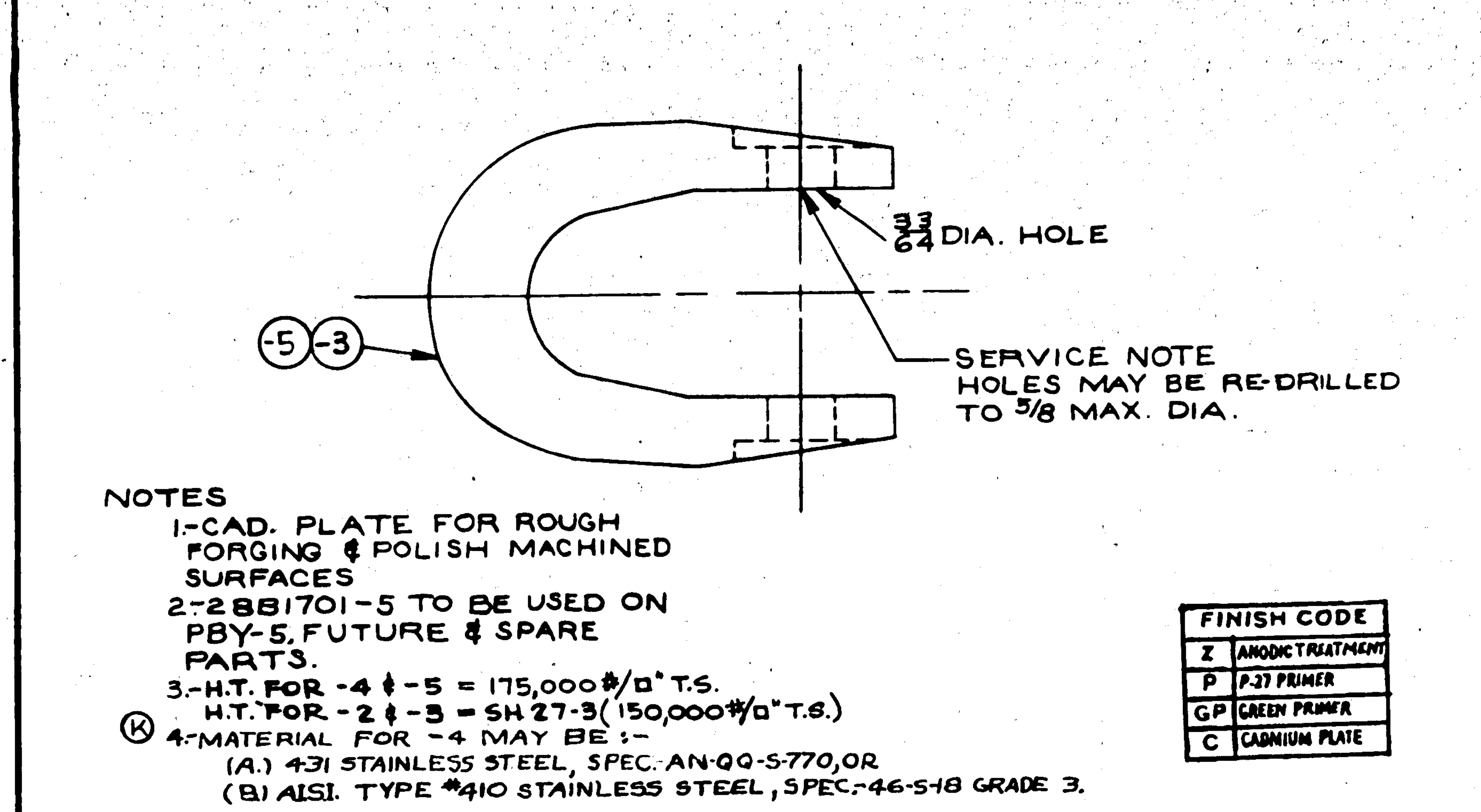
SUPPLIES & EQUIPMENT CLASSIFICATION [redacted]
LET | ALTERATION | DATE | BY
A | TRACED | 4-9-37 | H.W.
E.O. 29697 B. | 2½" WAS 2 5/16" | 12/26/40
1¼
1
11°
1/8
1/16 R.
3/8
-2 L.H.
-3 R.H.
7 SPACES
AN442D6
70°
3/8
3/16
1/16 R.
1/16
1/2
3/8
3/4
3/8
6¾
Ⓑ
2½
DRILL 3/16 HOLES ON ASSEMBLY
9 HOLES
BEND LINE
6 9/16
BEND LINE
1/8
7/8
1/4
28B1693 L.H.
28B1693-1 R.H.
.072
1 3/16
NOTED:
HEAT TREAT -2 & -3
SR 53 (COND. T)
-1 | PBY-5&5B | 28B1500 | 2EA
PBY-5&5B | 28B1500 | 2EA
-1 | PBY-3&4 | 28B1500
PBY-3&4 | 28B1500
-1 | PBY-2 | 28B1500 | 28B1693-1 | 1
PBY-2 | 28B1500 | 28B1693 | 1
-1 | PBY-1 | 28B1500 | -3 | 1
PBY-1 | 28B1500 | AN442D6 | 28B1694-2 | 1
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
[redacted]
4-9-37 APPROVED DATE
.40 CALC.WT. | ACT.WT.
SCALE 12"=1'-0".
AC
NAVY AL. ALLOY SHT. | 47A10 COND. A. | NOTED | NONE
MATERIAL | SPEC. | HEAT TREAT | FINISH
LOC | MILLER
36-36 | 5-13-37
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
GUSSET-HULL-BULKHEAD #5
OPP. HAND 28B1694-1
DWG. D SIZE
28B1694





LET	ALTERATION	DATE	BY
J	TRACED NO WT. CHG.	7-15-43	SIMPSON
K	REMOVED MAT.-"COR. RES. STL." & SPEC.-"AN-QQ-S-770 A & B" ADDED		
	NOTED, ADDED NOTE #4 NO WT. CHG.	8-20-43	CRAIG
L	5/16 DIM. WAS 5/8. NO WT. CHG	10-12-45	CARTER

Q

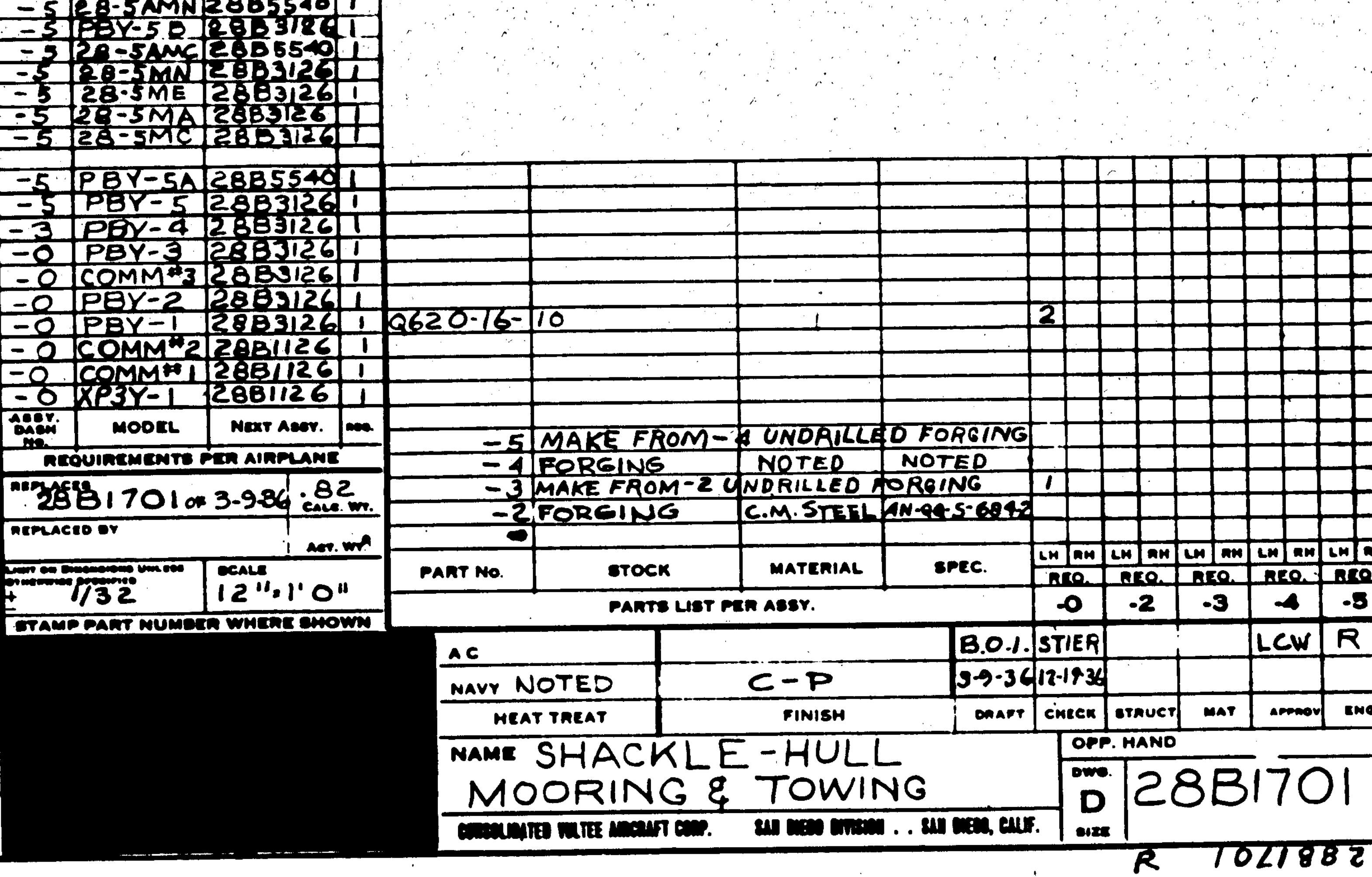


NOTES

1. CAD. PLATE FOR ROUGH FORGING & POLISH MACHINED SURFACES
2. 28B1701-5 TO BE USED ON PBY-5, FUTURE & SPARE PARTS.
3. H.T. FOR -4 & -5 = 175,000#/□" T.S.
   H.T. FOR -2 & -3 = SH 27-3 (150,000#/□" T.S.)

(K) 4. MATERIAL FOR -4 MAY BE:-
   (A.) 431 STAINLESS STEEL, SPEC. AN-QQ-S-770, OR
   (B.) AISI. TYPE #410 STAINLESS STEEL, SPEC. 46-S-18 GRADE 3.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE



ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
-5	28-5AMN	28B5540	1
-5	PBY-5D	28B3126	1
-5	28-5AMC	28B5540	1
-5	28-5MN	28B3126	1
-5	28-5ME	28B3126	1
-5	28-5MA	28B3126	1
-5	28-5MC	28B3126	1
-5	PBY-5A	28B5540	1
-5	PBY-5	28B3126	1
-3	PBY-4	28B3126	1
-0	PBY-3	28B3126	1
-0	COMM #3	28B3126	1
-0	PBY-2	28B3126	1
-0	PBY-1	28B3126	1
-0	COMM #2	28B1126	1
-0	COMM #1	28B1126	1
-0	XP3Y-1	28B1126	1

REQUIREMENTS PER AIRPLANE

REPLACES 28B1701 OF 3-9-36 | .82 CALC. WT.

REPLACED BY | ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 | SCALE 12"=1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 REQ. LH	-0 REQ. RH	-2 REQ. LH	-2 REQ. RH	-3 REQ. LH	-3 REQ. RH	-4 REQ. LH	-4 REQ. RH	-5 REQ. LH	-5 REQ. RH
Q620-16-10				2									
-5	MAKE FROM-4 UNDRILLED FORGING												
-4	FORGING	NOTED	NOTED										
-3	MAKE FROM-2 UNDRILLED FORGING			1									
-2	FORGING	C.M. STEEL	AN-QQ-S-684-2										

PARTS LIST PER ASSY.

[redacted]

AC		B.O.I.	STIER			LCW	R
NAVY NOTED	C-P	3-9-36	12-19-36				
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

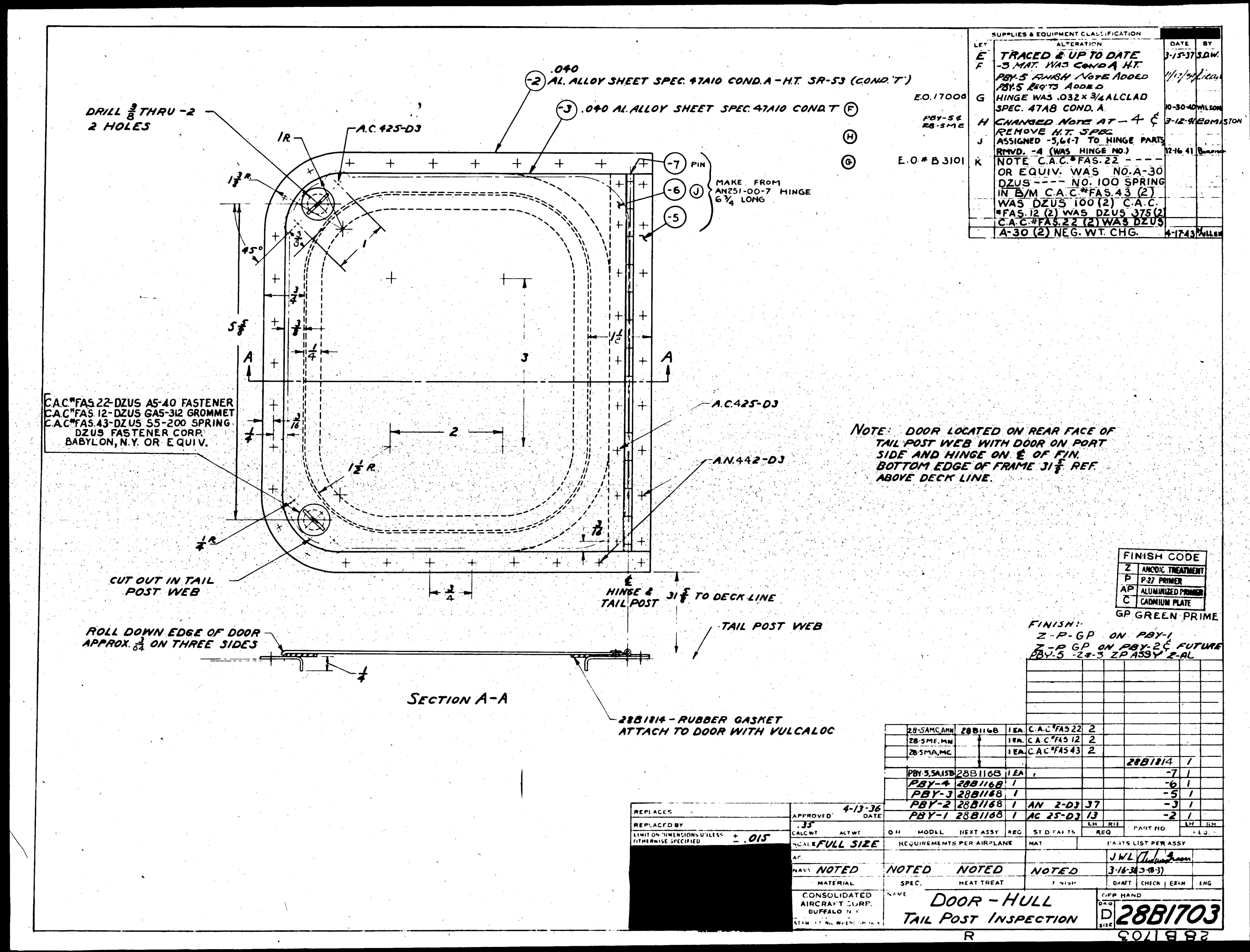
NAME SHACKLE - HULL MOORING & TOWING

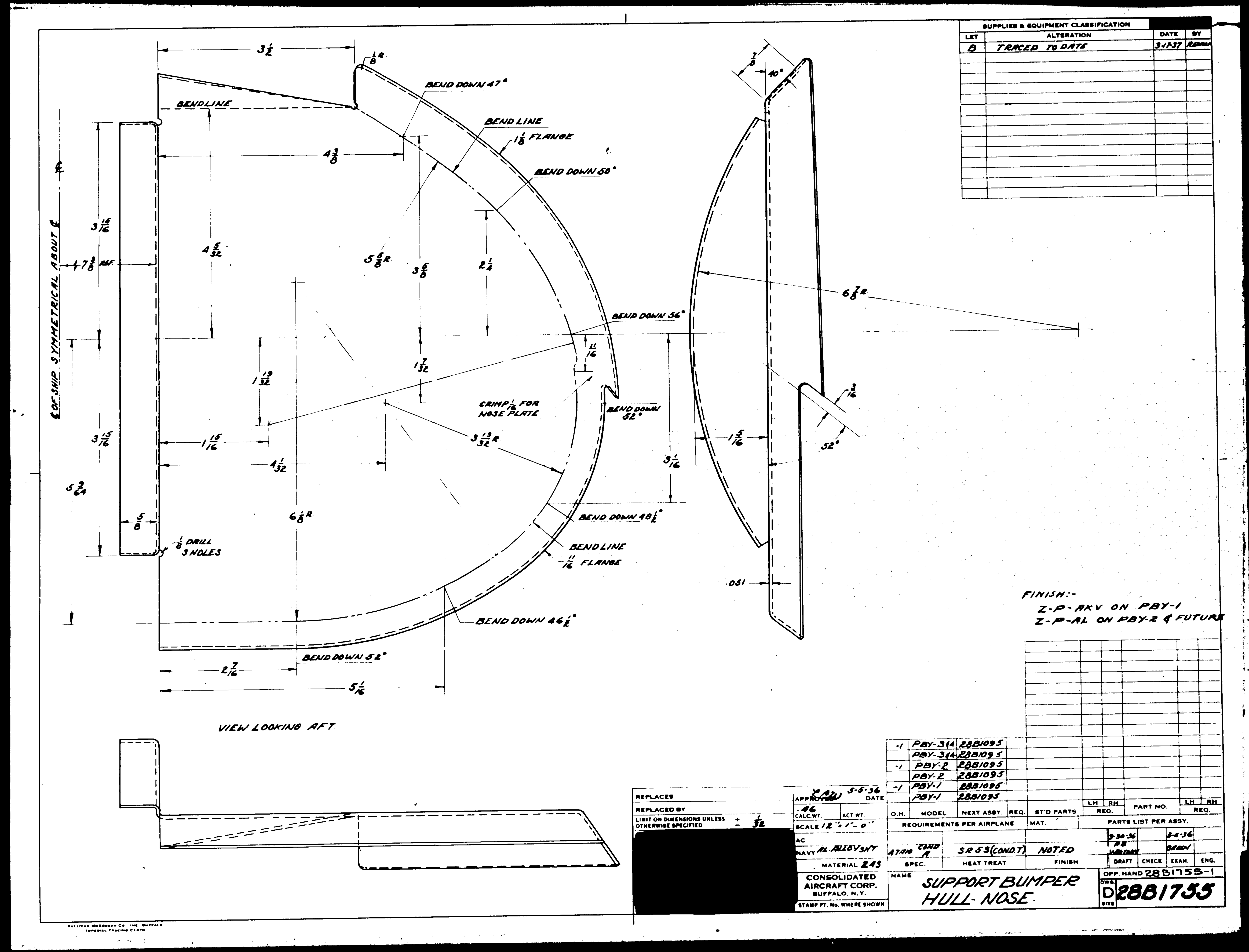
OPP. HAND

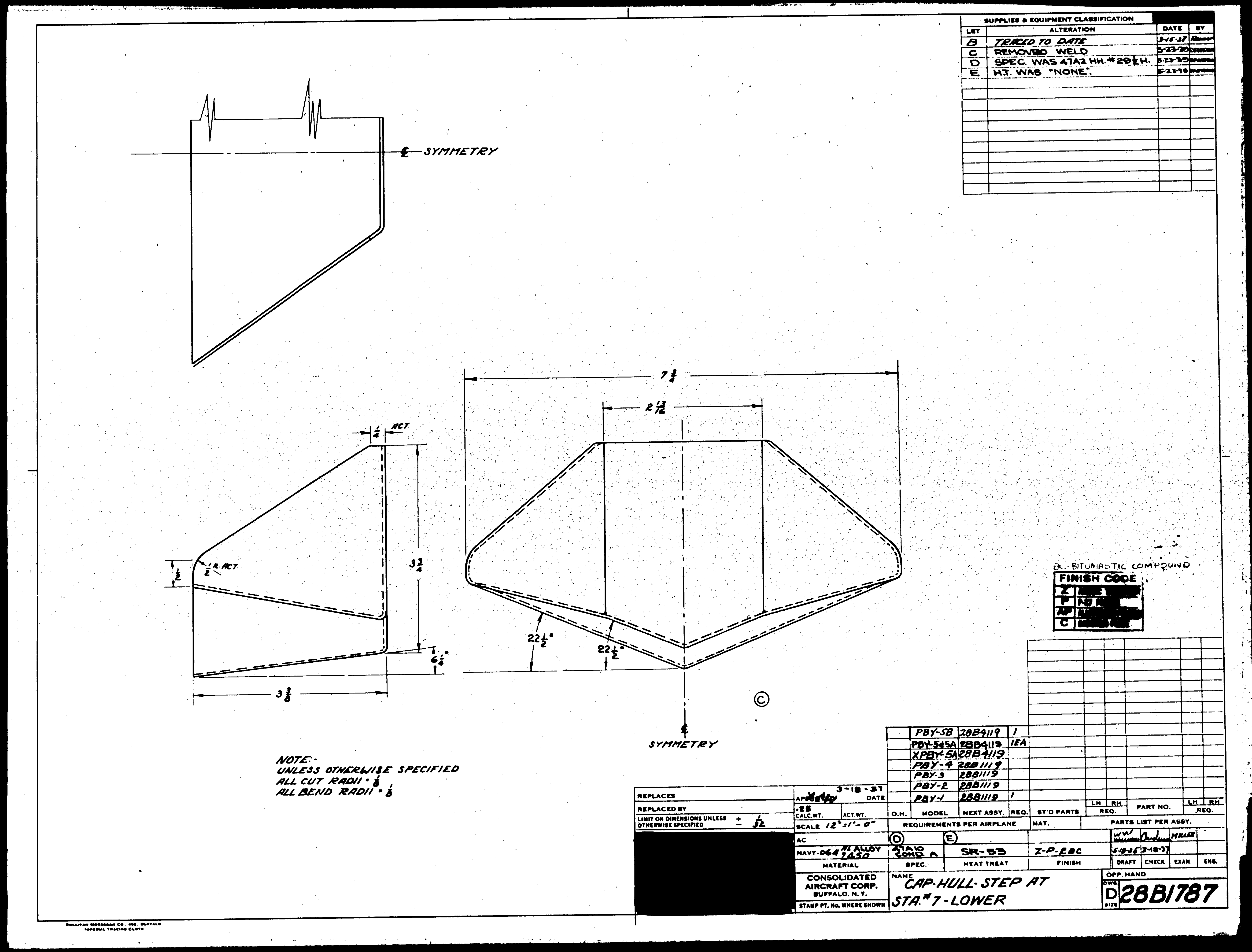
DWG. SIZE D | 28B1701

CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.

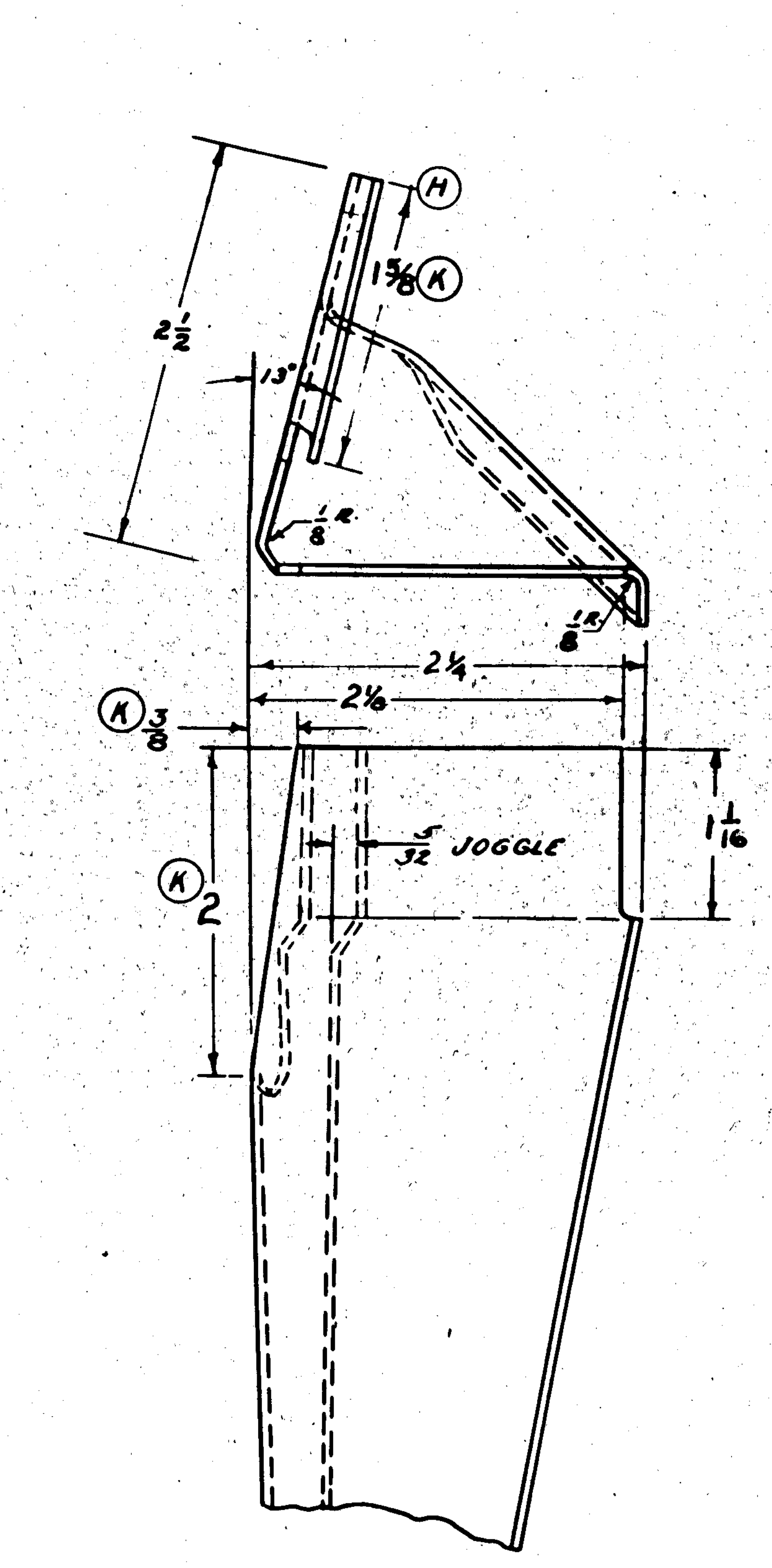
R 1021882


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
E TRACED & UP TO DATE 3-15-37 S.D.W.
F -3 MAT. WAS COND A H.T.
PBY-5 FINISH NOTE ADDED
PBY-5 REQ'TS ADDED
E.O. 17006 G HINGE WAS .032 × 3/4 ALCLAD SPEC. 47A8 COND. A 10-30-40 WILSON
PBY-54 28-5ME H CHANGED NOTE AT -4 ₵ REMOVE H.T. SPEC 3-12-41 EDMISTON
J ASSIGNED -5,6 & 7 TO HINGE PARTS RMVD. -4 (WAS HINGE NO.) 12-16 41
E.O.# B 3101 K NOTE C.A.C. #FAS. 22 ---- OR EQUIV. WAS NO. A-30 DZUS ---- NO. 100 SPRING IN B/M C.A.C. #FAS. 43 (2) WAS DZUS 100 (2) C.A.C. #FAS. 12 (2) WAS DZUS 375 (2) C.A.C. #FAS. 22 (2) WAS DZUS A-30 (2) NEG. WT. CHG. 4-17-43
.040
-2 AL. ALLOY SHEET SPEC. 47A10 COND. A - H.T. SR-53 (COND. 'T')
-3 .040 AL. ALLOY SHEET SPEC. 47A10 COND. T F
H
G
DRILL 3/8 THRU -2
2 HOLES
A.C. 425-D3
1R
1 3/8 R.
45°
3/8
1
5 5/8
3/4
3/8
1/4
3
1 1/2
2
3/16
1/4
1 1/2 R.
1/4 R.
3/16
3/4
A A
-7 PIN
-6 J
-5
MAKE FROM AN251-00-7 HINGE 6 3/4 LONG
C.A.C. #FAS. 22 - DZUS A5-40 FASTENER
C.A.C. #FAS. 12 - DZUS GA5-312 GROMMET
C.A.C. #FAS. 43 - DZUS S5-200 SPRING
DZUS FASTENER CORP. BABYLON, N.Y. OR EQUIV.
A.C. 425-D3
A.N. 442-D3
NOTE: DOOR LOCATED ON REAR FACE OF TAIL POST WEB WITH DOOR ON PORT SIDE AND HINGE ON ₵ OF FIN. BOTTOM EDGE OF FRAME 31 5/8 REF. ABOVE DECK LINE.
CUT OUT IN TAIL POST WEB
₵ HINGE & TAIL POST
31 5/8 TO DECK LINE
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
GP GREEN PRIME
FINISH:
Z-P-GP ON PBY-1
Z-P GP ON PBY-2 ₵ FUTURE
PBY-5 -2 & -3 ZP ASSY Z-AL
ROLL DOWN EDGE OF DOOR APPROX. 3/64 ON THREE SIDES
TAIL POST WEB
1/4
SECTION A-A
28B1814 - RUBBER GASKET
ATTACH TO DOOR WITH VULCALOC
28-5AMC, AMN 28B1168 1 EA. C.A.C. #FAS 22 2
28-5ME, MN 1 EA. C.A.C. #FAS 12 2
28-5MA, MC 1 EA. C.A.C. #FAS 43 2
28B1814 1
PBY-5, 5A, 5B 28B1168 1 EA -7 1
PBY-4 28B1168 1 -6 1
PBY-3 28B1168 1 -5 1
PBY-2 28B1168 1 AN 2-D3 37 -3 1
PBY-1 28B1168 1 AC 25-D3 13 -2 1
O H | MODEL | NEXT ASSY | REQ | STD PARTS | LH RH REQ | PART NO | LH RH REQ
REQUIREMENTS PER AIRPLANE | MAT | PARTS LIST PER ASSY
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .015
[redacted]
APPROVED 4-13-36 DATE
.35 CALC WT ACT WT
SCALE FULL SIZE
AC
NAVY NOTED NOTED NOTED NOTED
MATERIAL SPEC. HEAT TREAT FINISH
J.W.L. 3-16-36 3-18-37
DRAFT CHECK EXAM ENG
CONSOLIDATED AIRCRAFT CORP. BUFFALO N.Y.
NAME DOOR - HULL TAIL POST INSPECTION
OPP HAND
D SIZE 28B1703
R
28B1703


SUPPLIES & EQUIPMENT CLASSIFICATION
LET ALTERATION DATE BY
B TRACED TO DATE 3-17-37
3 1/2
1/8 R.
BEND DOWN 47°
BENDLINE
BEND LINE
1 1/8 FLANGE
BEND DOWN 50°
4 3/8
3 15/16
4 5/32
5 5/8 R.
3 5/8
2 1/4
℄ OF SHIP SYMMETRICAL ABOUT ℄
7 3/8 REF.
BEND DOWN 56°
11/16
1 7/32
1 19/32
CRIMP 1/16 FOR NOSE PLATE
BEND DOWN 52°
3 15/16
1 15/16
3 13/32 R.
4 1/32
5 9/64
6 1/8 R.
5/8
1/8 DRILL 3 HOLES
BEND DOWN 48 1/2°
BENDLINE
11/16 FLANGE
BEND DOWN 46 1/2°
BEND DOWN 52°
2 7/16
5 1/16
7/8
40°
6 7/8 R.
1 5/16
3 1/16
3/16
52°
.051
VIEW LOOKING AFT
FINISH:-
Z-P-AKV ON PBY-1
Z-P-AL ON PBY-2 & FUTURE
-1 PBY-3(A 28B1095
PBY-3(A 28B1095
-1 PBY-2 28B1095
PBY-2 28B1095
-1 PBY-1 28B1095
PBY-1 28B1095
D.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
APPROVED 3-5-36 DATE
46 CALC. WT. ACT. WT.
SCALE 12" = 1'-0"
AC
NAVY AL. ALLOY SHT
MATERIAL 24S
A7A10 COND A
SPEC.
SR 53 (COND. T)
HEAT TREAT
NOTED
FINISH
3-30-36 3-6-36
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME SUPPORT BUMPER HULL-NOSE
OPP. HAND 28B1755-1
DWG. SIZE D 28B1755
[redacted]


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B | TRACED TO DATE | 3-16-37
C | REMOVED WELD | 5-23-39
D | SPEC. WAS 47A2 HH. #29½H. | 5-23-39
E | H.T. WAS "NONE". | 5-23-39
℄ SYMMETRY
7 3/4
2 13/16
1/4 ACT.
1/2 R. ACT
1/2
3 3/4
6 1/4°
3 3/8
22 1/2°
22 1/2°
©
℄ SYMMETRY
NOTE:-
UNLESS OTHERWISE SPECIFIED
ALL CUT RADII = 1/8
ALL BEND RADII = 1/8
BC-BITUMASTIC COMPOUND
FINISH CODE
Z
P
AP
C
PBY-5B 28B4119 1
PBY-5&5A 28B4119 1EA
XPBY-5A 28B4119
PBY-4 28B1119
PBY-3 28B1119
PBY-2 28B1119
PBY-1 28B1119 1
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED + - 1/32
[redacted]
APPROVED 3-18-37 DATE
.25 CALC.WT. ACT.WT.
SCALE 12"=1'-0"
AC
NAVY .064 AL ALLOY 24SO
MATERIAL
(D) 47A10 COND. A
SPEC.
(E) SR-53
HEAT TREAT
Z-P-2BC
FINISH
5-18-36 3-18-37 MILLER
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME CAP-HULL-STEP AT STA.#7-LOWER
OPP. HAND
DWG. D SIZE 28B1787
SULLIVAN-McKEOGAN CO. INC. BUFFALO IMPERIAL TRACING CLOTH

SUPPLIES & EQUIPMENT CLASSIFICATION			[redacted]
LET	ALTERATION	DATE	BY
C	TRACED TO DATE	3-15-37	[illegible]
D	REMOVE 45° ANGLE CUT; 1/2 ; &	7-15-37	C.R.G.
	1 1/2 DIM; CORRECT 30° ANGLE CUT	"	"
E	1 3/8 x 3/4 SLOT REPLACES 45° CUT	1-25-38	[illegible]
F	ADDED 5/16 FLANGE	5/24/40	ZEIGLER
G	ADDED 5/8 DIM.	6/3/40	ZEIGLER
H	REMOVED 5/16 FLANGE	"	"
	ADDED 5/32 JOGGLE	"	"
J	10 WAS 9 13/16, 2 3/16 WAS 1 7/8,	8-28-40	[illegible]
	1 1/16 WAS 3/4, 2 1/2 WAS 2 3/8,	"	"
	1/8 R. WAS 1/16 R. REMOVED	"	"
	3/4 DIM. ADDED 15/16 DIM.	"	"
K	ADDED DIM. 2, 3/8, 1 5/8.	12-4-40	[illegible]



10
2 3/16
15/16
3/8 R
1/2 R
E
3/8
D
30°
5/8
G

GP-GREENPRINT

F	[redacted]
Z	[redacted]
P	[redacted]
[redacted]	[redacted]
C	[redacted]

FINISH:- Z-P-GP ON PBY-1
Z-P-GP ON PBY-2 & FUTURE

O.H.	MODEL	NEXT ASSY.	REQ.
-R	PBY-5A&B	28B2024	1EA
-L	PBY-5A&B	28B2024	1EA
-1	PBY-5	28B2024	
	PBY-5	28B2024	
-1	PBY-4	28B2024	
	PBY-4	28B2024	
-1	PBY-3	28B2024	
	PBY-3	28B2024	
-1	PBY-2	28B2024	
	PBY-2	28B2024	
-1	PBY-1	28B004	1
	PBY-1	28B004	1

REQUIREMENTS PER AIRPLANE

ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.

MAT. — PARTS LIST PER ASSY.

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .015
[redacted]

APPROVED [illegible] DATE 4-21-36
CALC. WT. .22 — ACT. WT.
SCALE 12" = 1'-0"
AC

MATERIAL	SPEC.	HEAT TREAT	FINISH
NAVY-064 ALUM ALLOY SHEET (24SO)	24 ST COND A	S.R. 53 (COND. T.)	NOTED

DRAFT	CHECK	EXAM.	ENG.
JWL	[illegible]	GREEN	
4-9-36	3-10-37	4-15-36	

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN

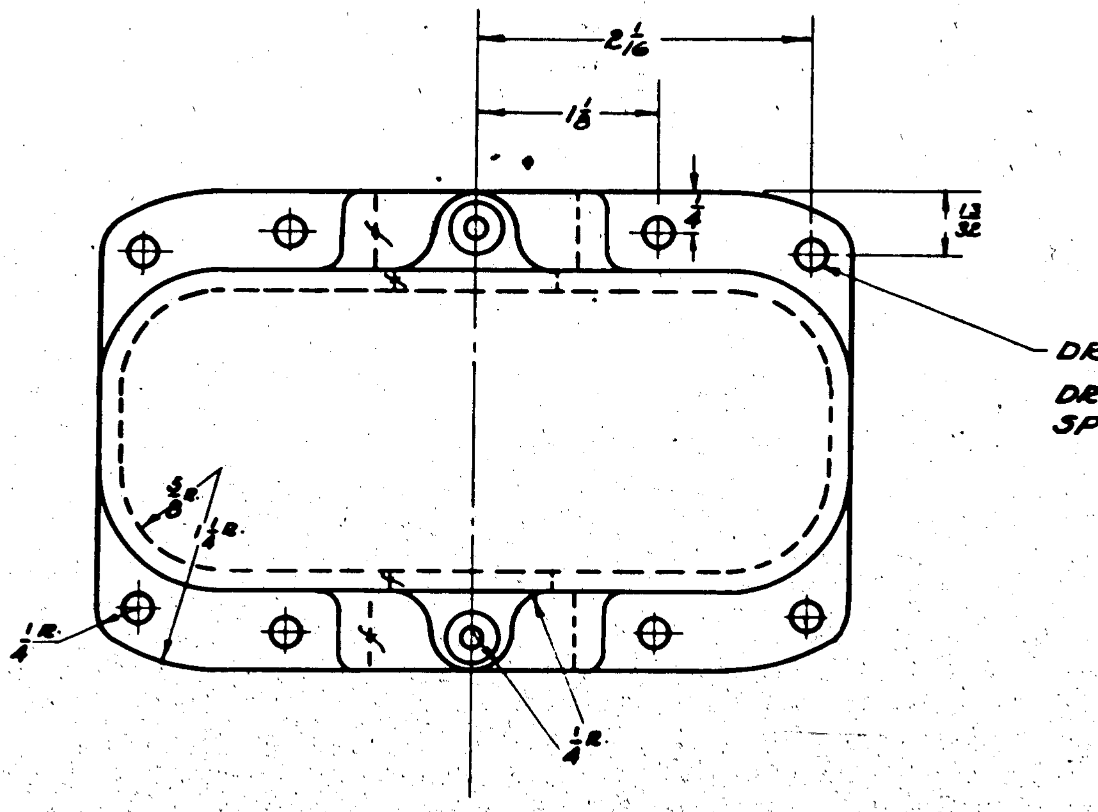
NAME GUSSET
-HULL-
STA. #2 PILOT ENCLOSURE

OPP. HAND 28B1790-1
DWG. SIZE D 28B1790

ALL AMPHIB. PBY-5
28-5 ALL - E.O. 38462

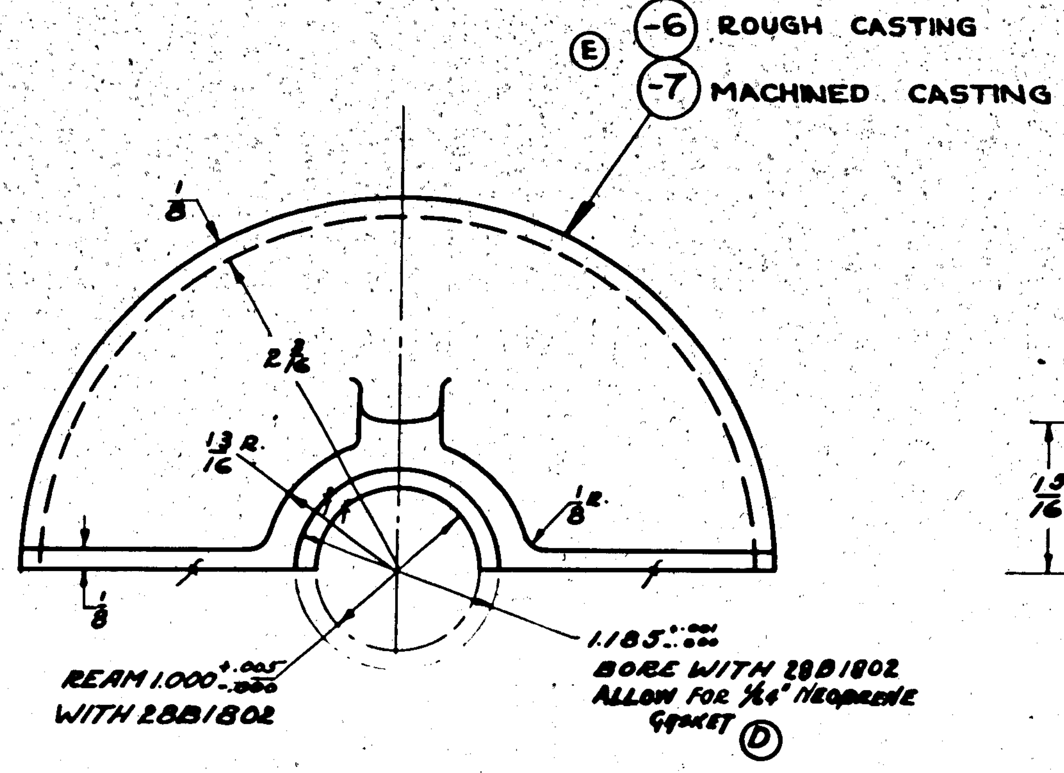
LET	ALTERATION	DATE	BY
A	TRACED	3-16-37	[illegible]
B	ADDED SPOTFACE NOTE	6-7-37	[illegible]
C	REAM 1.000 $^{+.005}_{-.001}$ WAS REAM .998 $^{+.001}_{-.000}$	9-17-37	M.E.A.
D	NOTE ADDED ALLOWING FOR NEOPRENE GASKET	4-8-41	[illegible]
E	ADDED -6 & -7(1) NO WT. CHG	4-9-43	[illegible]
F	IN M/M, REPLACED "AL. ALLOY CAST., 46A1 CL. 4, 29,000#/□" WITH "NOTED" ON FACE OF DWG. ADDED MAT'L NOTE #1. NO WT. CHG.	7-15-43	[illegible]

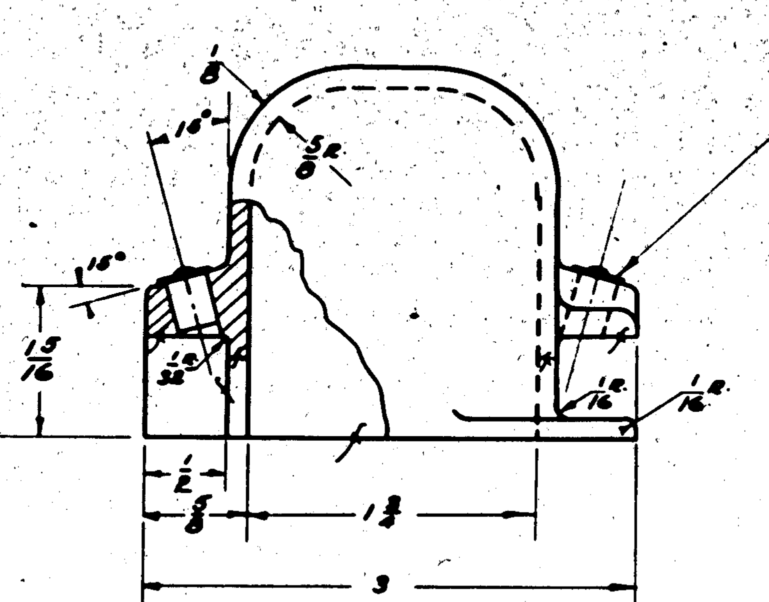
SUPPLIES & EQUIPMENT CLASSIFICATION



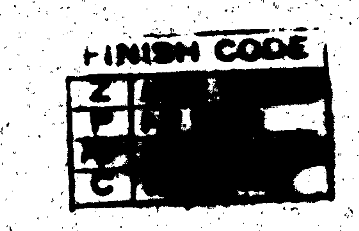
(F) NOTE:
1. MATERIAL MAY BE:
(A) 195 T4 AL. ALLOY CASTG., SPEC. AN-QQ-A-390 CL. I, H.T. 29,000 #/□", OR
(B) S195T6 AL. ALLOY CASTG., SPEC. AN-A-5 CL. II, H.T. 32,000 #/□".

(E) (-6) ROUGH CASTING
(-7) MACHINED CASTING





FINISH CODE



Z	[redacted]
P	[redacted]
C	[redacted]

FINISH-Z BEFORE INSTALLING OILER
FINISH-P

O.H.	MODEL	NEXT ASSY.	REQ.
	28-5AMN	28B1095	2
	28-5AMC	28B1095	2
	28-5MN&ME	28B1095	2 EA
	28-5MA&MC	28B1095	2 EA
	PBY-5B	28B1095	2
	PBY-5&5A	28B1095	2 EA
	PBY-4	28B1095	
	PBY-3	28B1095	
	PBY-2	28B1095	
	PBY-1	28B1095	

REQUIREMENTS PER AIRPLANE

ST'D PARTS	REQ. LH	REQ. RH	PART NO.	REQ. LH	REQ. RH
GITS OILER GB521	2		(MAKE FROM -6) -7	1	
			-6		

MAT. — PARTS LIST PER ASSY.

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED $\pm\frac{1}{32}$

[redacted]

APPROVED [illegible] DATE 5-5-36
CALC. WT. .44 — ACT. WT.
SCALE 12" = 1 FT.
AC
NAVY NOTED

MATERIAL	SPEC.	HEAT TREAT	FINISH
NOTED	NOTED	NOTED	NOTED

DRAFT	CHECK	EXAM.	ENG.
L.O.F.	[illegible]	[illegible]	
4-13-36	3-18-37	5-4-36	

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN

NAME CASE-HULL-BOMBERS WINDOW SPROCKET-TOP.

OPP. HAND
DWG. SIZE D 28B1801

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
A	TRACED	3-15-37	[illegible]
B	ADDED SPOTFACE NOTE	6-7-37	NELSON
C	DRILL #40 WAS DRILL #30	9-7-37	[illegible]
D	REAM 1000 $^{+.0005}_{-.001}$ WAS REAM .998 $^{+.001}_{-.000}$	9-17-37	M.E.A.
E	ALLOWANCE FOR NEOPRENE GASKET -NOTE ADDED-	4-9-41	B.E.D.
F	ADDED 10 PILOT HOLES. WT. CHANGE NEG.	10-22-41	[illegible]
G	IN B/M, REPLACED "AL ALLOY C'ST'G. SPEC. 46A1 CL. 4, 29,000 #/□"; WITH "NOTED". ON FACE OF DWG. ADDED MAT'L. NOTE #1 (NO WT. CHG.)	7-12-43	[illegible]
H	ADDED NOTES "STAMP -6 FOR FINISHED CASTING" & "CAST PART NO. HERE." IN REQMT'S PER AIRPLANE BLOCK ADDED -6 WAS -0 NO WT. CHG.	8-5-43	[illegible]

ALL AMPHIB. PBY-5
28-5-ALL - E.O. 38462

E.O. #A21918

Ⓒ DRILL #40 (.0980)
20 PILOT HOLES
Ⓕ

DRILL #18 (170) 8 HOLES
WITH 28B1801
SPOTFACE 7/16 UNDER SURFACE
Ⓑ

1/4 R
3/32 R
3/8 R
1/2 APPROX.
1/8 R
1/4
3/32 R
1/2

Ⓔ
ALLOW FOR 1/64 NEOPRENE GASKET 1.185 $^{+.001}_{-.000}$ BORE WITH 28B1801
1.000 $^{+.0005}_{-.001}$ REAM WITH 28B1801
Ⓓ

STAMP -6
FOR FINISHED
CASTING

Ⓗ

$4\frac{5}{8}$
$\frac{3}{32}$
$2\frac{5}{16}$
$6\frac{13}{16}$
$\frac{13}{16}$ R
$\frac{1}{8}$ R
28B1802
1.625 ± .010
3
$\frac{5}{8}$
$1\frac{3}{4}$
$\frac{1}{16}$ R
$\frac{1}{8}$ R
$\frac{5}{8}$
$\frac{7}{32}$
$\frac{11}{16}$
DRILL $\frac{3}{16}$ DRAIN
$\frac{11}{16}$

CAST PART NO.
HERE.
Ⓗ

FILE FINISH

NOTES:
Ⓖ 1. MATERIAL MAY BE:
(A) 195 T4 AL. AL. CASTING, SPEC. AN-QQ-A-390 CL. I, H.T. 29,000 #/□", OR
(B) S-195T6 AL. AL. CASTING, SPEC. AN-A-5 CL. II, H.T. 32,000 #/□".

FINISH CODE	
Z	[redacted]
P	[redacted]
AP	[redacted]
C	[redacted]

O.H.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.
-6	PBY-5B	28B1095	2						
-6	28-5AMN	28B1095	2						
-6	28-5AMC	28B1095	2						
-6	PBY-5A	28B1095	2						
-6	28-5MN	28B1095	2						
-6	28-5ME	28B1095	2						
-6	28-5MC	28B1095	2						
-6	28-5MA	28B1095	2						
-6	PBY-5	28B1095	2						
	PBY-4	28B1095							
	PBY-3	28B1095							
	PBY-2	28B1095							
	PBY-1	28B1095							
REQUIREMENTS PER AIRPLANE				MAT.	PARTS LIST PER ASSY.				

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32

[redacted]

APPROVED LCW DATE 5-5-36
CALC. WT. .38 ACT. WT.
SCALE 12" = 1'-0"

	MATERIAL	SPEC.	HEAT TREAT	FINISH
AC				
NAVY	NOTED	NOTED	NOTED	Z-P

DRAFT	CHECK	EXAM.	ENG.
L.O.C. 4-13-36	[signature] 3-18-36	GREEN 5-4-36	

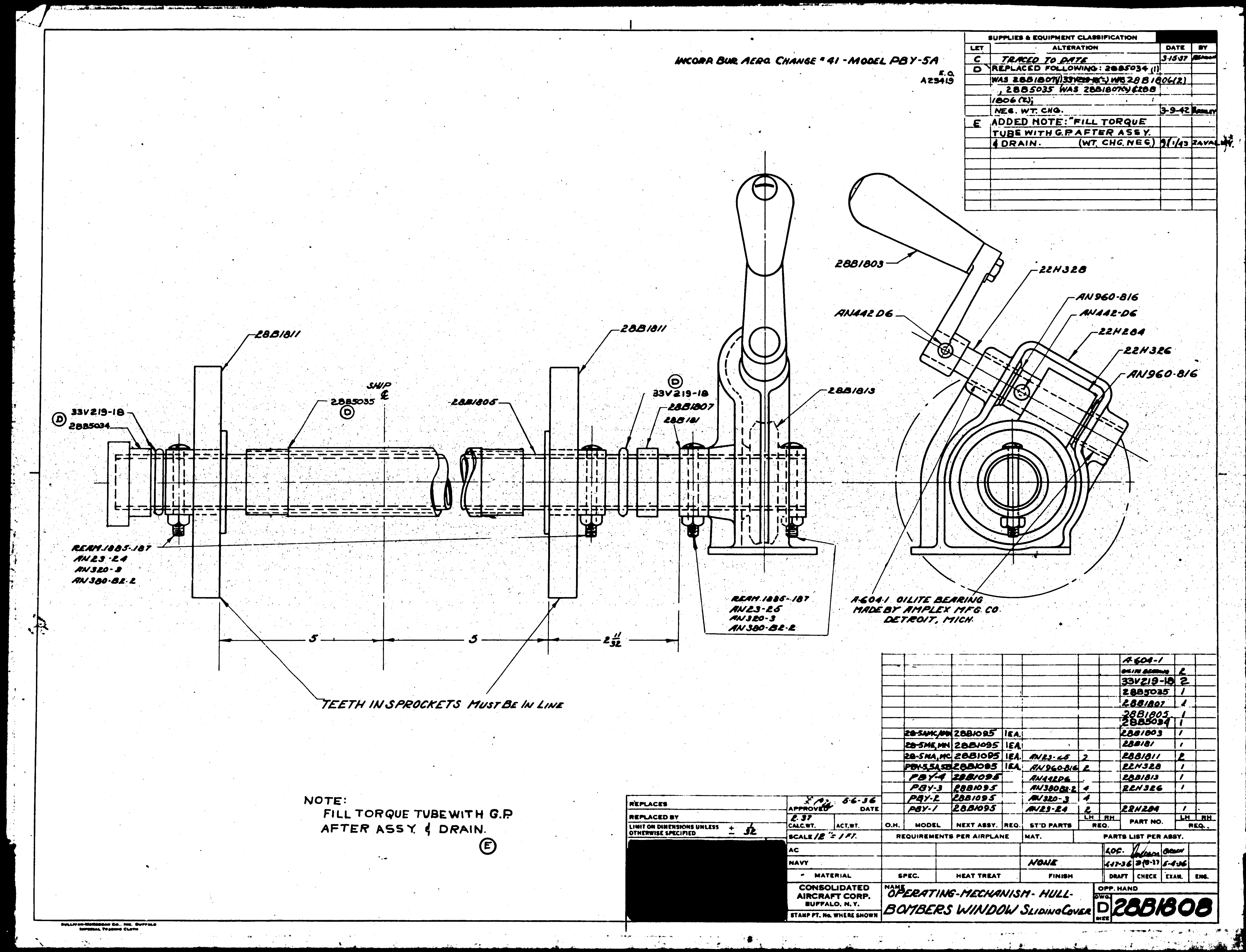
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N. Y.
STAMP PT. No. WHERE SHOWN

NAME CASE-HULL-BOMBERS WINDOW SPROCKET-BOTTOM

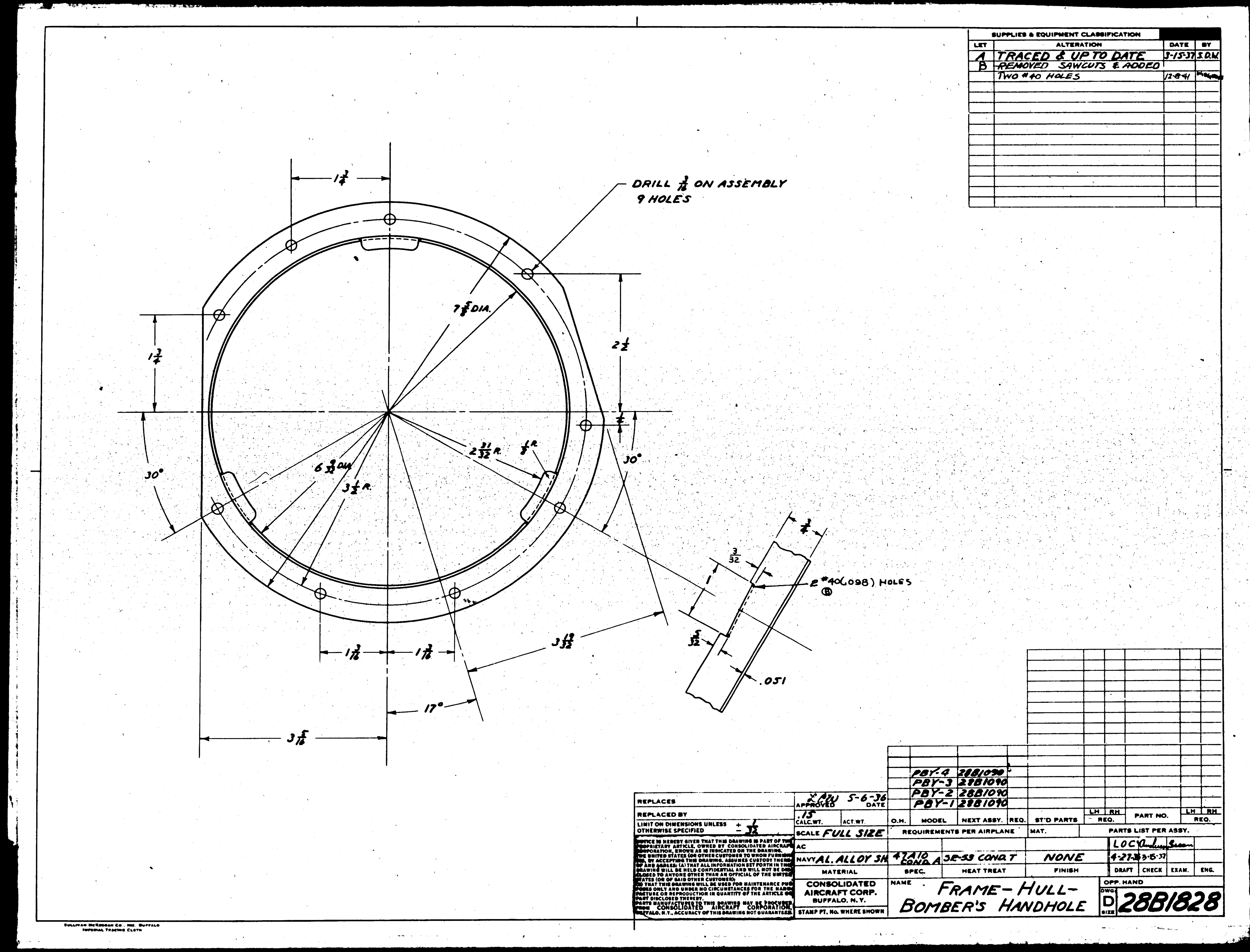
OPP. HAND
DWG. SIZE D 28B1802

28B1802

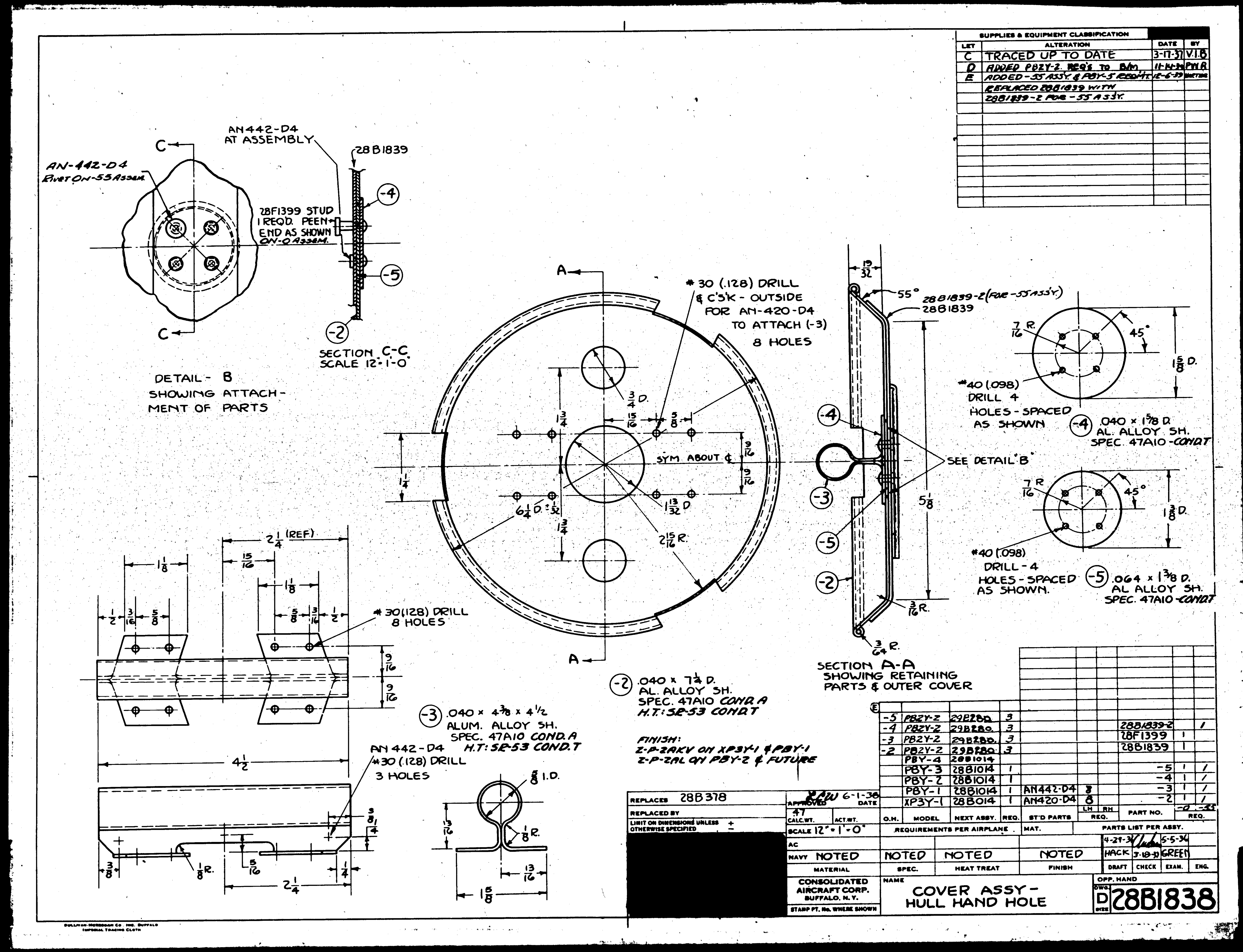
SULLIVAN HOLLOMAN CO., INC. BUFFALO
IMPERIAL TRACING CLOTH



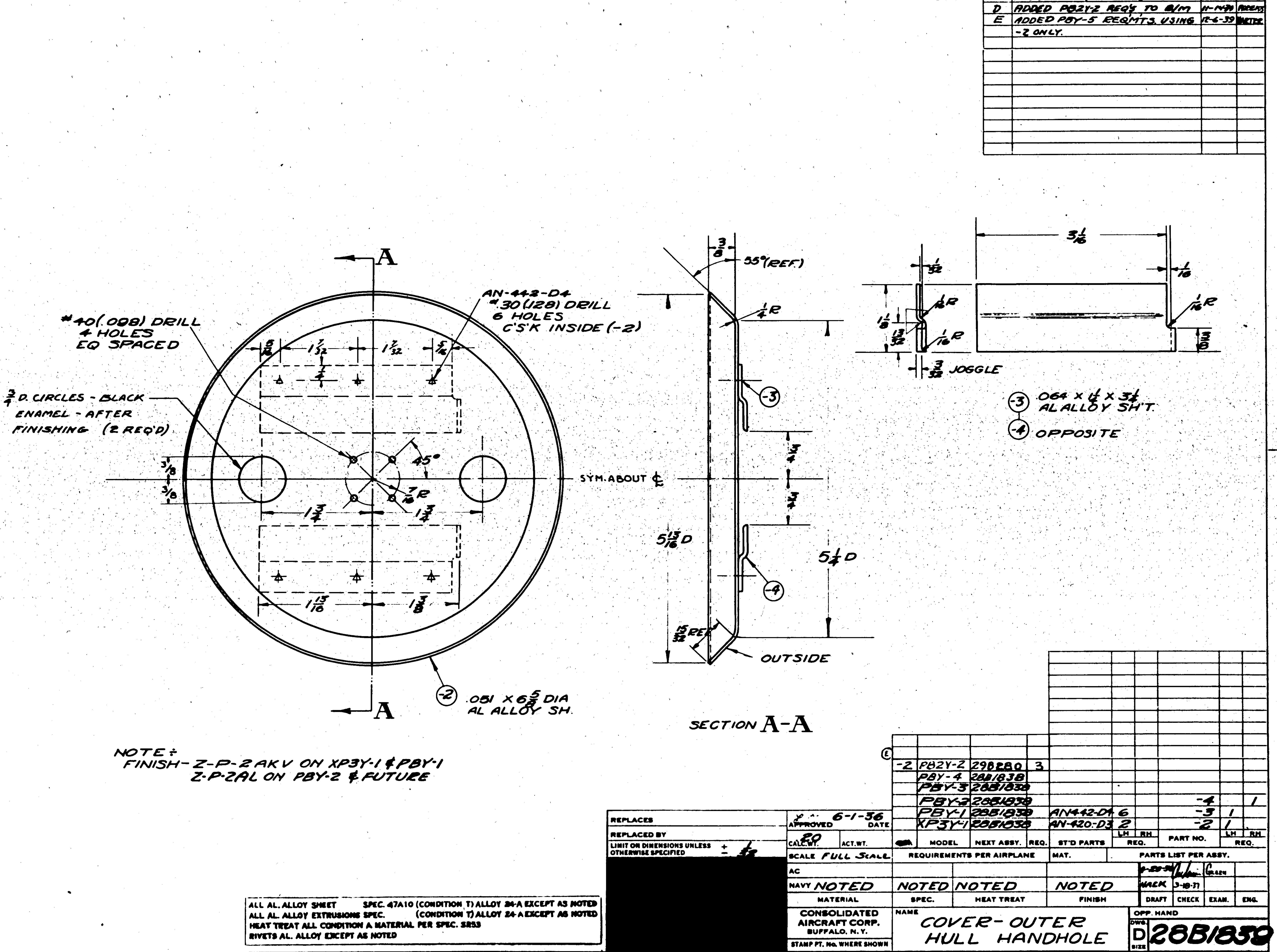
INCORP. BUR. AERO. CHANGE # 41 - MODEL PBY-5A
E.O. A23419
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C | TRACED TO DATE | 3-15-37
D | REPLACED FOLLOWING: 28B5034 (1) WAS 28B1807(1) 33V219-18(2) WAS 28B1806(2), 28B5035 WAS 28B1807(1) & 28B1806(2);
NEG. WT. CHG. | 3-9-42
E | ADDED NOTE: "FILL TORQUE TUBE WITH G.P. AFTER ASSY. & DRAIN. (WT. CHG. NEG.) | 9/1/43 | ZAVAL
28B1803
22H328
AN960-816
AN442-D6
AN442 D6
22H284
22H326
AN960-816
28B1811
28B1811
SHIP ℄
28B5035
28B1806
33V219-18
28B1807
28B181
28B1813
33V219-18
28B5034
REAM .1885-.187
AN23-24
AN320-3
AN380-B2-2
REAM .1885-.187
AN23-25
AN320-3
AN380-B2-2
A-604-1 OILITE BEARING
MADE BY AMPLEX MFG. CO.
DETROIT, MICH.
5
5
2 11/32
TEETH IN SPROCKETS MUST BE IN LINE
NOTE:
FILL TORQUE TUBE WITH G.P. AFTER ASSY. & DRAIN.
E
A-604-1 OILITE BEARING 2
33V219-18 2
28B5035 1
28B1807 1
28B1805 1
28B5034 1
28-5AMC,MN 28B1095 1 EA. | 28B1803 1
28-5ME,MN 28B1095 1 EA. | 28B181 1
28-5MA,MC 28B1095 1 EA. | AN23-25 2 | 28B1811 2
PBY-5,5A,5B 28B1095 1 EA. | AN960-816 2 | 22H328 1
PBY-4 28B1095 | AN442D6 | 28B1813 1
PBY-3 28B1095 | AN380-B2-2 4 | 22H326 1
PBY-2 28B1095 | AN320-3 4
PBY-1 28B1095 | AN23-24 2 | 22H284 1
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
APPROVED 5-6-36 DATE
2.37
CALC.WT. ACT.WT.
SCALE 1/2" = 1 FT.
AC
NAVY
NONE
MATERIAL SPEC. HEAT TREAT FINISH
LOF. Anderson Green
4-17-36 3-18-37 5-4-36
DRAFT CHECK EXAM. ENG.
[redacted]
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME OPERATING-MECHANISM-HULL-BOMBERS WINDOW SLIDING COVER
OPP. HAND
DWG. D SIZE 28B1808
SULLIVAN-MCKEEGAN CO. INC. BUFFALO IMPERIAL TRACING CLOTH

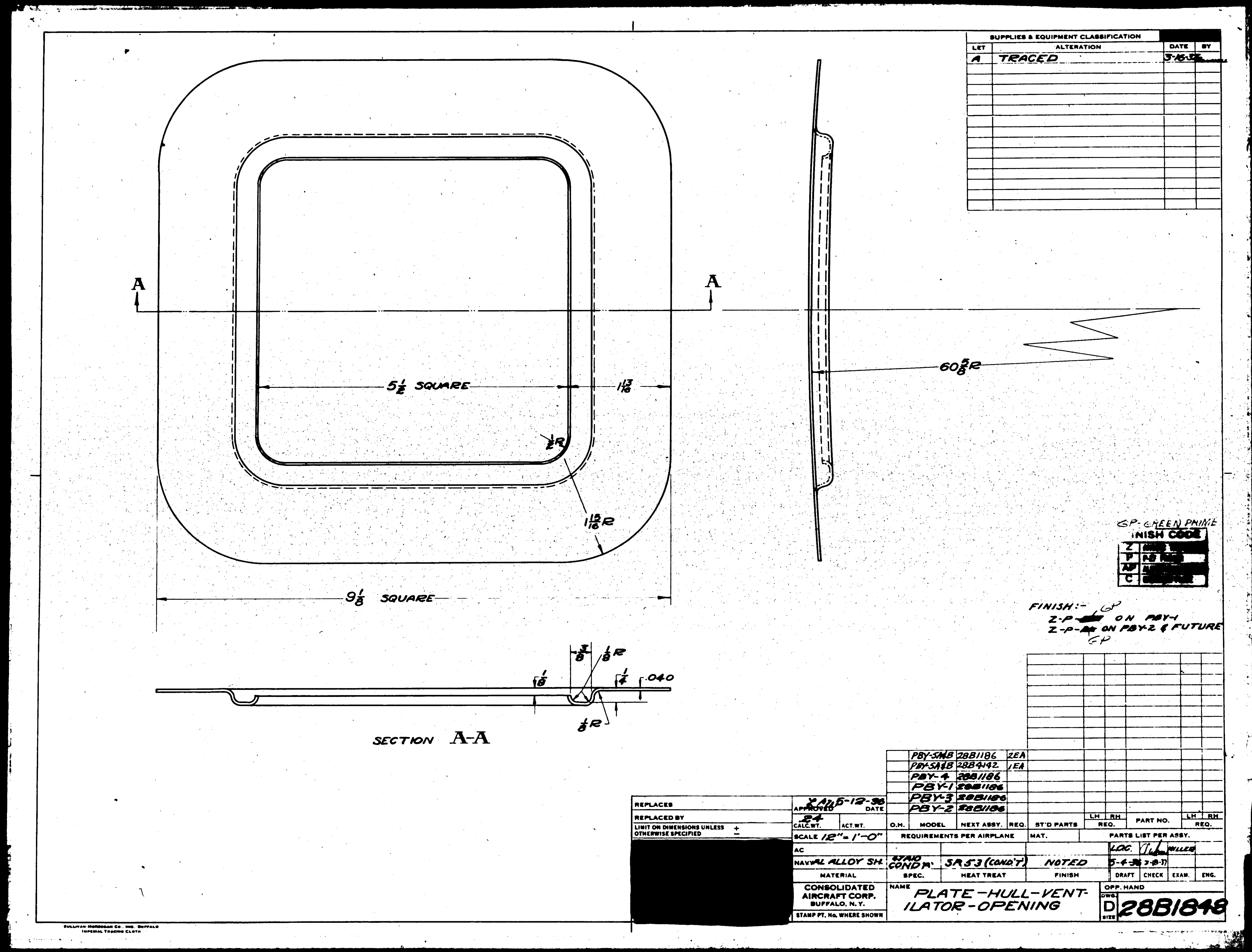


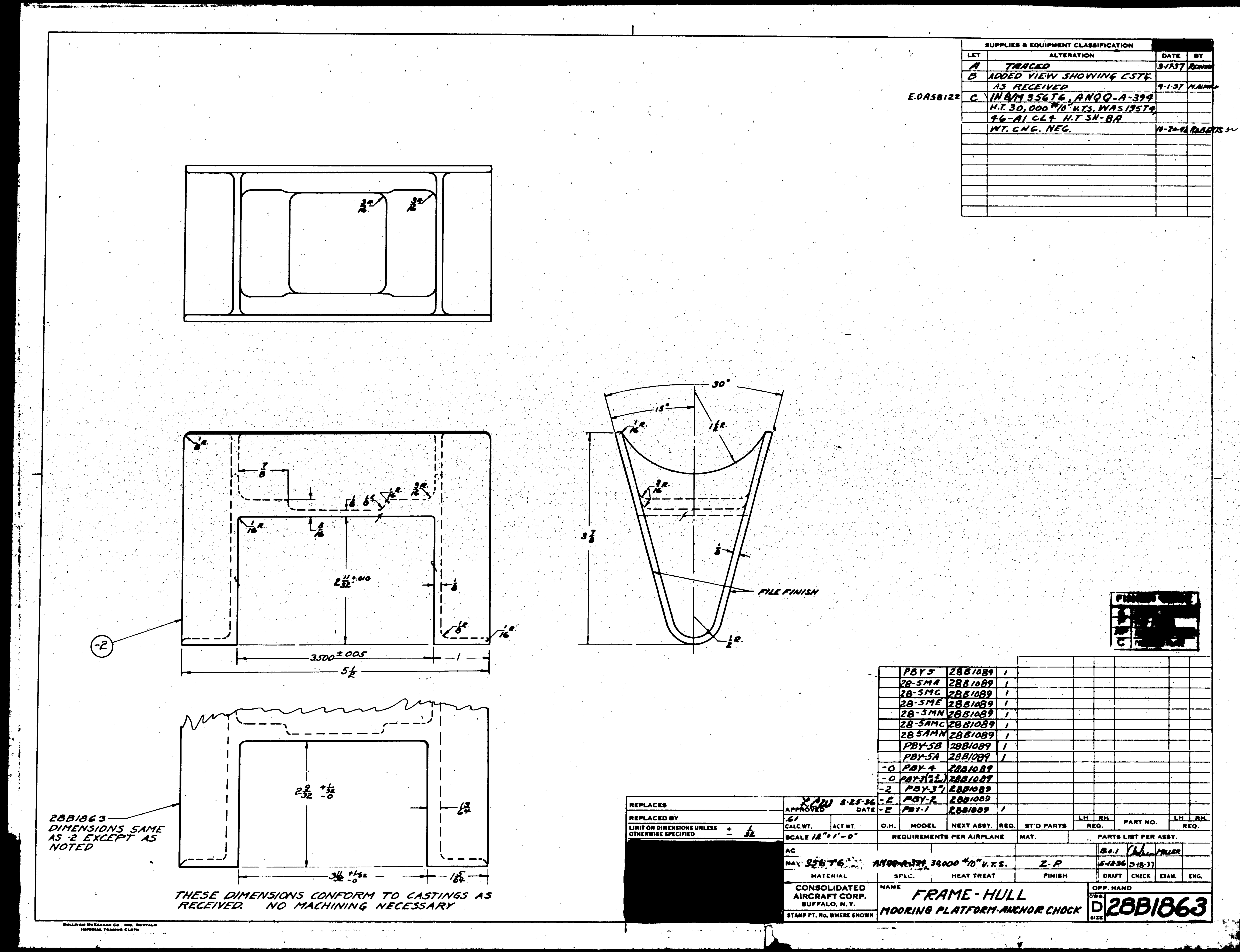
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A TRACED & UP TO DATE 3-15-37 S.D.W.
B REMOVED SAWCUTS & ADDED TWO #40 HOLES 12-8-41
DRILL 3/16 ON ASSEMBLY 9 HOLES
7 5/8 DIA.
6 9/32 DIA.
3 1/2 R.
2 31/32 R.
1/8 R.
2 #40(.098) HOLES
.051
3 19/32
3 5/16
17°
30°
PBY-4 28B1090
PBY-3 28B1090
PBY-2 28B1090
PBY-1 28B1090
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
APPROVED 5-6-36 DATE
.15 CALC.WT.
SCALE FULL SIZE
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASSY.
NAVY AL. ALLOY SH. 47A10 COND A 3E-53 COND T NONE
MATERIAL SPEC. HEAT TREAT FINISH
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
NAME FRAME-HULL-BOMBER'S HANDHOLE
D 28B1828



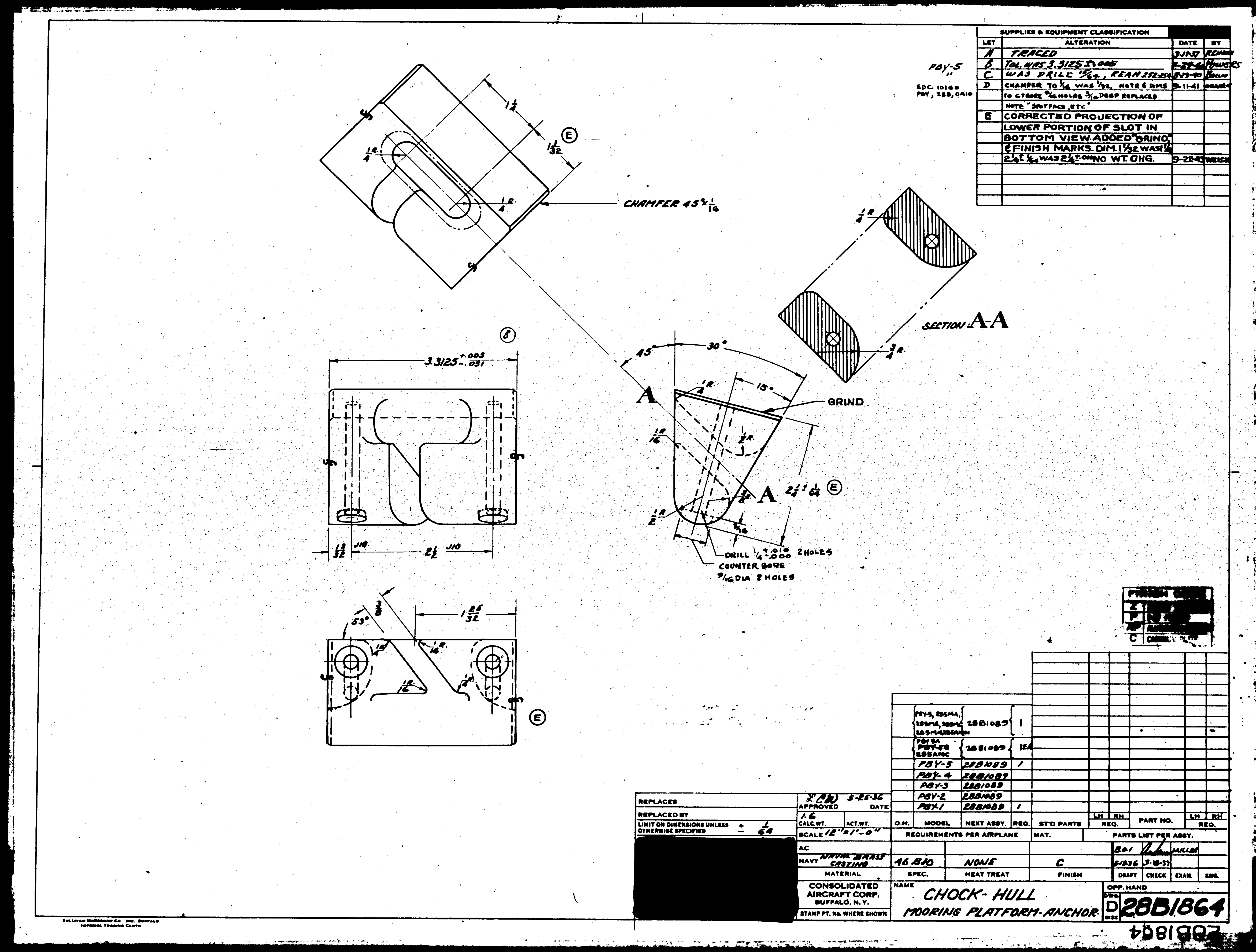
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C | TRACED UP TO DATE | 3-17-37 | V.I.B
D | ADDED PBZY-2. REQ'S TO B/M | 11-14-38 | PWR
E | ADDED -55 ASSY. & PBY-5 REQM'T. | 12-6-39
REPLACED 28B1839 WITH
28B1839-2 FOR -55 ASSY.
AN-442-D4
RIVET ON -55 ASSEM.
C
C
AN442-D4
AT ASSEMBLY
28B1839
28F1399 STUD
1 REQD. PEEN END AS SHOWN
ON -0 ASSEM.
-4
-5
-2
SECTION C-C
SCALE 12"-1'-0"
DETAIL - B
SHOWING ATTACHMENT OF PARTS
A
A
#30 (.128) DRILL
& C'SK - OUTSIDE
FOR AN-420-D4
TO ATTACH (-3)
8 HOLES
3/4 D.
1 3/4
15/16
5/8
9/16
9/16
SYM. ABOUT ℄
1 1/4
6 1/4 D. ± 1/32
1 13/32 D.
1 3/4
2 15/16 R.
19/32
55°
28B1839-2 (FOR -55 ASSY.)
28B1839
5 1/8
-4
-3
-5
-2
3/16 R.
3/64 R.
SEE DETAIL "B"
SECTION A-A
SHOWING RETAINING
PARTS & OUTER COVER
7/16 R.
45°
1 5/8 D.
#40 (.098)
DRILL 4
HOLES - SPACED
AS SHOWN
(-4) .040 x 1 5/8 D.
AL. ALLOY SH.
SPEC. 47A10 - COND.T
7/16 R.
45°
1 3/8 D.
#40 (.098)
DRILL - 4
HOLES - SPACED
AS SHOWN.
(-5) .064 x 1 3/8 D.
AL. ALLOY SH.
SPEC. 47A10 - COND.T
2 1/4 (REF)
1 1/8
15/16
1 1/8
1/2
3/16
5/8
5/8
3/16
1/2
#30 (.128) DRILL
8 HOLES
9/16
9/16
4 1/2
AN 442-D4
#30 (.128) DRILL
3 HOLES
3/8
1/4
3/8
1/8 R.
5/16
2 1/4
1/4
(-3) .040 x 4 3/8 x 4 1/2
ALUM. ALLOY SH.
SPEC. 47A10 COND.A
H.T: SR-53 COND.T
5/8 I.D.
13/16
1/8 R.
13/16
1 5/8
(-2) .040 x 7 1/4 D.
AL. ALLOY SH.
SPEC. 47A10 COND.A
H.T: SR-53 COND.T
FINISH:
Z-P-ZAKV ON XP3Y-1 & PBY-1
Z-P-ZAL ON PBY-2 & FUTURE
E
-5 | PBZY-2 | 29B280 | 3
-4 | PBZY-2 | 29B280 | 3 | 28B1839-2 | 1
-3 | PBZY-2 | 29B280 | 3 | 28F1399 | 1
-2 | PBZY-2 | 29B280 | 3 | 28B1839 | 1
PBY-4 | 28B1014
PBY-3 | 28B1014 | 1 | -5 | 1 | 1
PBY-2 | 28B1014 | 1 | -4 | 1 | 1
PBY-1 | 28B1014 | 1 | AN442-D4 | 8 | -3 | 1 | 1
XP3Y-1 | 28B014 | 1 | AN420-D4 | 8 | -2 | 1 | 1
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH | RH | REQ. | PART NO. | -0 | -55 | REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES 28B378
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED +
RAW 6-1-38
APPROVED DATE
47
CALC.WT. ACT.WT.
SCALE 12" = 1'-0"
AC
NAVY NOTED
MATERIAL
NOTED
SPEC.
NOTED
HEAT TREAT
NOTED
FINISH
4-29-34 5-5-34
HACK 3-18-39 GREEN
DRAFT CHECK EXAM. ENG.
[redacted]
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
COVER ASSY -
HULL HAND HOLE
OPP. HAND
DWG. D SIZE 28B1838


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B TRACED UP TO DATE
C0.6764
C 1 7/32 WAS 1 1/4 & 1 7/32 WAS 1 3/16
D ADDED PB2Y-2 REQ'S TO B/M
E ADDED PBY-5 REQMTS. USING 12-6-39
-2 ONLY.
A
#40(.098) DRILL
4 HOLES
EQ SPACED
AN-442-D4
#30(.128) DRILL
6 HOLES
C'S'K INSIDE (-2)
3/4 D. CIRCLES - BLACK
ENAMEL - AFTER
FINISHING (2 REQ'D)
45°
SYM. ABOUT ℄
7/16 R
-2 .051 X 6 5/8 DIA
AL ALLOY SH.
3/8
55°(REF.)
1/4 R
-3
-4
5 13/16 D
5 1/4 D
15/32 REF.
OUTSIDE
SECTION A-A
3 1/16
1/32
1/16
1/16 R
13/32
3/32 JOGGLE
-3 .064 X 1 1/8 X 3 1/16
AL ALLOY SH'T.
-4 OPPOSITE
NOTE:
FINISH - Z-P-2AKV ON XP3Y-1 & PBY-1
Z-P-2AL ON PBY-2 & FUTURE
-2 PB2Y-2 29B280 3
PBY-4 28B1838
PBY-3 28B1838
PBY-2 28B1838
PBY-1 28B1838 AN442-D4 6
XP3Y-1 28B1838 AN-420-D3 2
-4 1
-3 1
-2 1
MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
APPROVED 6-1-36 DATE
CALC.WT. 20
ACT.WT.
SCALE FULL SCALE
AC
NAVY NOTED
MATERIAL
NOTED
SPEC.
NOTED
HEAT TREAT
NOTED
FINISH
DRAFT
CHECK
EXAM.
ENG.
CONSOLIDATED
AIRCRAFT CORP.
BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME COVER-OUTER
HULL HANDHOLE
OPP. HAND
DWG. SIZE D 28B1839
ALL AL. ALLOY SHEET SPEC. 47A10 (CONDITION T) ALLOY 24-A EXCEPT AS NOTED
ALL AL. ALLOY EXTRUSIONS SPEC. (CONDITION T) ALLOY 24-A EXCEPT AS NOTED
HEAT TREAT ALL CONDITION A MATERIAL PER SPEC. SR53
RIVETS AL. ALLOY EXCEPT AS NOTED

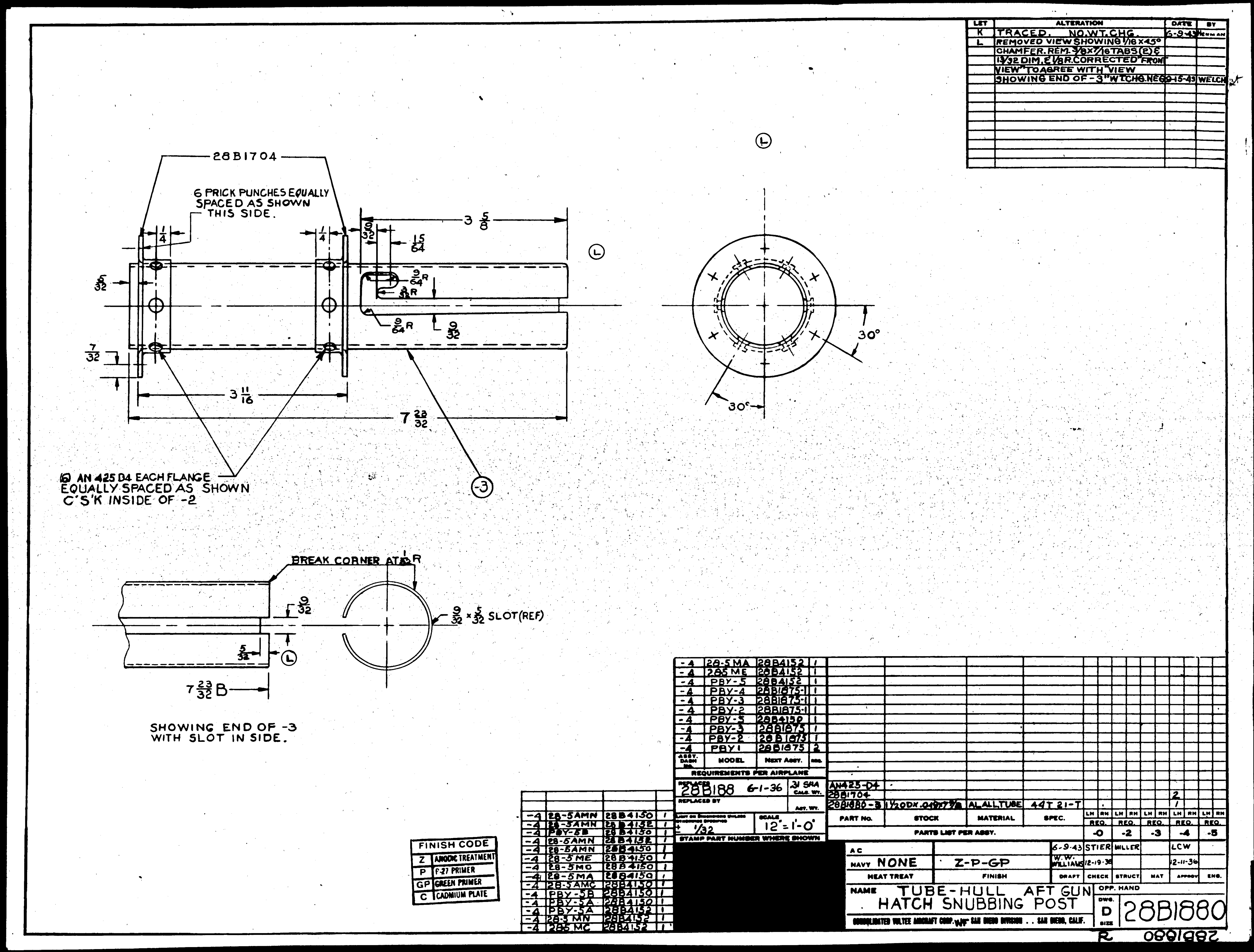

SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED | 3-16-37
A
A
5 1/2 SQUARE
1 13/16
1/2 R
1 13/16 R
9 1/8 SQUARE
60 5/8 R
3/8
1/8 R
1/8
1/4
.040
1/8 R
SECTION A-A
GP-GREEN PRIME
INISH CODE
Z [redacted]
P [redacted]
AP [redacted]
C [redacted]
FINISH:- GP
Z-P-[redacted] ON PBY-1
Z-P-[redacted] ON PBY-2 & FUTURE
GP
PBY-5A&B 28B1186 2EA
PBY-5A&B 28B4142 1EA
PBY-4 28B1186
PBY-1 28B1186
PBY-3 28B1186
PBY-2 28B1186
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED + −
[redacted]
APPROVED DATE 5-12-36
.24 CALC.WT. ACT.WT.
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
SCALE 12" = 1'-0"
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
AC
NAVY AL ALLOY SH.
47A10 COND A
SR 53 (COND'T)
NOTED
LOC. MILLER
5-4-36 3-18-37
MATERIAL
SPEC.
HEAT TREAT
FINISH
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME PLATE-HULL-VENTILATOR-OPENING
OPP. HAND
DWG. D SIZE 28B1848
SULLIVAN-McKEEGAN CO. INC. BUFFALO
IMPERIAL TRACING CLOTH



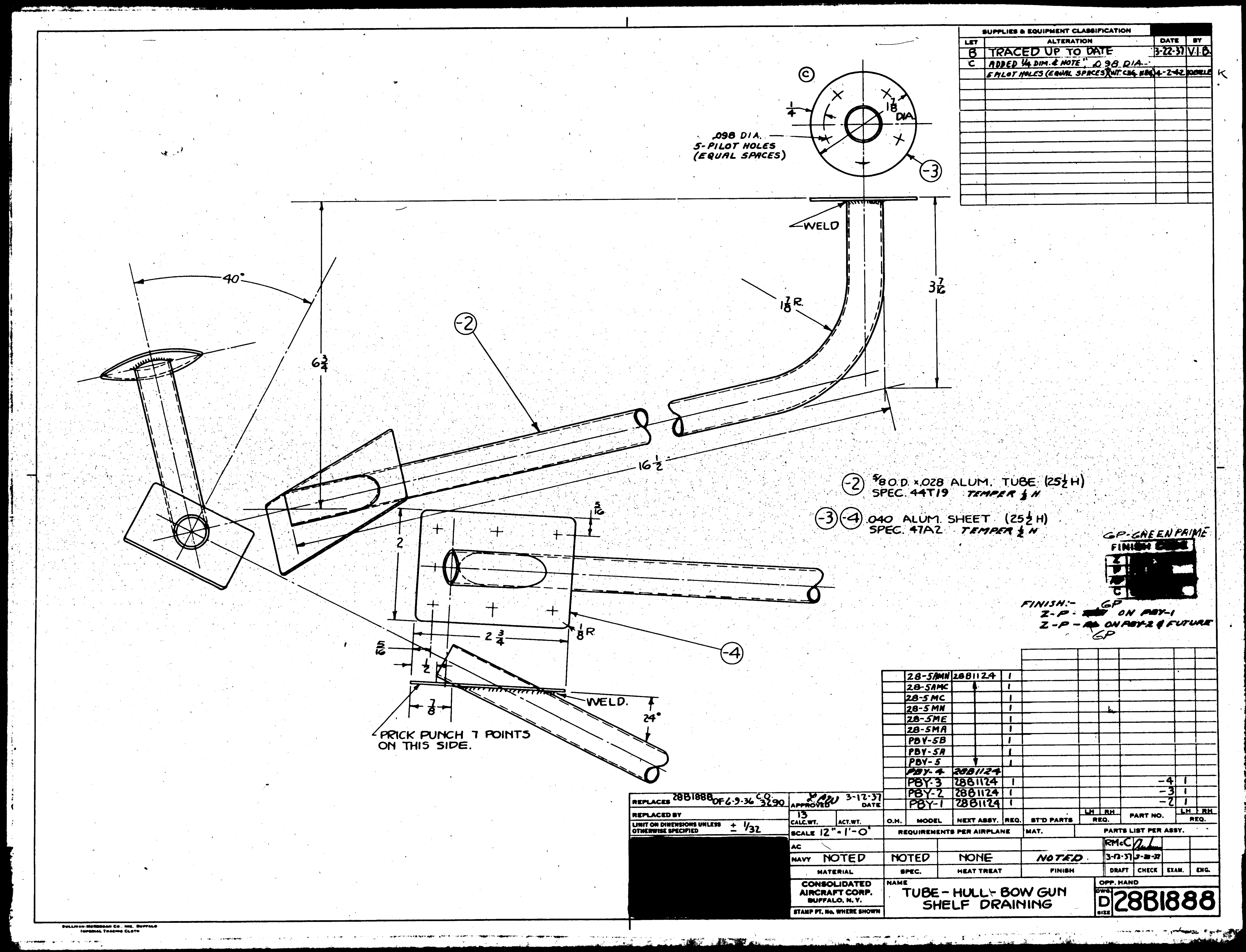
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED | 3-17-37
B | ADDED VIEW SHOWING CSTG. AS RECEIVED | 9-1-37
E.0A58122 C | IN B/M 356T6, ANQQ-A-394 H.T. 30,000 #/□" V.T.S. WAS 195T4, 46-A1 CL4 H.T SH-8A
WT. CHG. NEG. | 10-20-42 | ROBERTS
30°
15°
1 1/2 R.
1/16 R.
3/16 R.
3 7/8
1/8
FILE FINISH
1/2 R.
3/16 R.
1/8 R.
7/8
1/16 R.
5/16
2 11/32 ±.010
1/8
1/16 R.
3.500 ±.005
1
5 1/2
-2
2 3/32 +1/32 -0
13/64
3 11/32 +1/32 -0
1 5/64
28B1863
DIMENSIONS SAME AS -2 EXCEPT AS NOTED
THESE DIMENSIONS CONFORM TO CASTINGS AS RECEIVED. NO MACHINING NECESSARY
PBY-5 28B1089 1
28-5MA 28B1089 1
28-5MC 28B1089 1
28-5ME 28B1089 1
28-5MN 28B1089 1
28-5AMC 28B1089 1
28-5AMN 28B1089 1
PBY-5B 28B1089 1
PBY-5A 28B1089 1
-0 PBY-4 28B1089
-0 PBY-3 28B1089
-2 PBY-3 28B1089
-2 PBY-2 28B1089
-2 PBY-1 28B1089 1
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
[redacted]
APPROVED 5-25-36 DATE
.61 CALC.WT. ACT.WT.
SCALE 12" = 1'-0"
AC
NAV 356T6 ANQQ-A-394 30,000 #/□" V.T.S. Z-P
MATERIAL | SPEC. | HEAT TREAT | FINISH
6-12-36 3-18-37
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME FRAME-HULL MOORING PLATFORM-ANCHOR CHOCK
OPP. HAND
DWG. D SIZE 28B1863

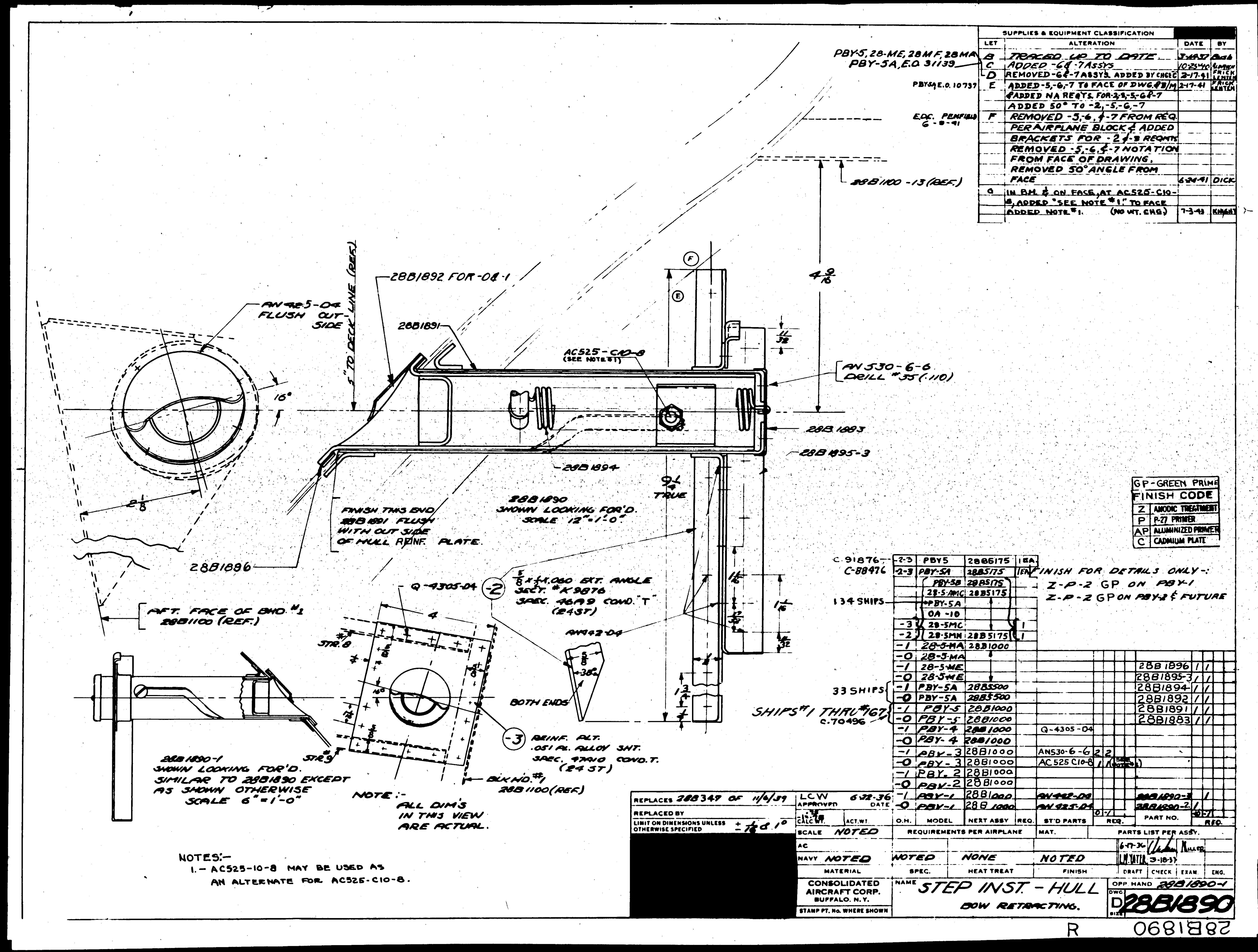


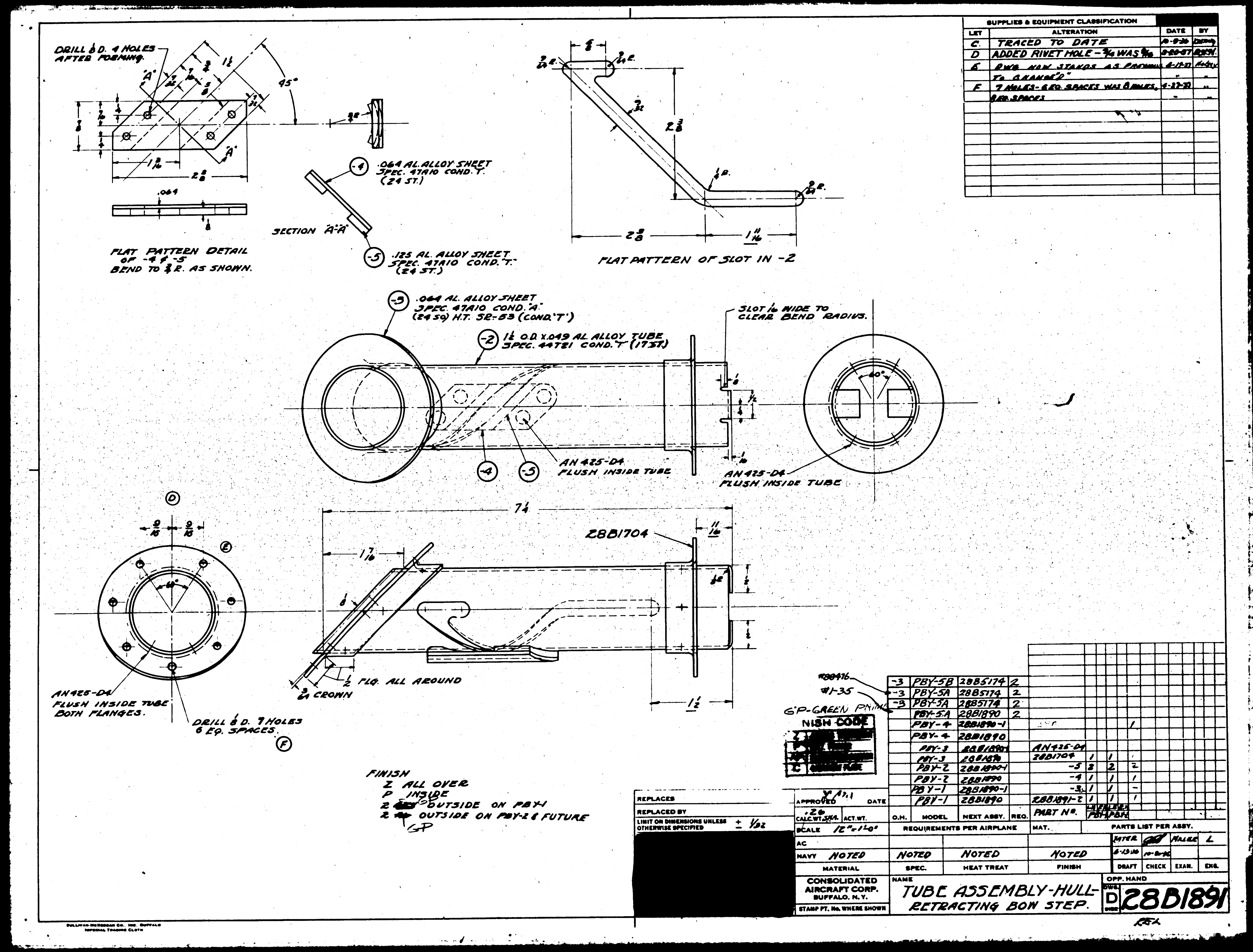
SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
A TRACED 3-17-37
B TOL. WAS 3.3125 ±.005
C WAS DRILL 15/64, REAM .252-.254 8-23-40
D CHAMPER TO 1/16 WAS 1/32, NOTE & DIMS TO CTBORE 9/16 HOLES 3/16 DEEP REPLACED NOTE "SPOTFACE, ETC" 3-11-41
E CORRECTED PROJECTION OF LOWER PORTION OF SLOT IN BOTTOM VIEW. ADDED "GRIND" & FINISH MARKS. DIM. 1 1/32 WAS 1 1/4 2 1/4 ± 1/64 WAS 2 1/4 ±.010 NO WT. CHG.
PBY-5
EDC. 10160
PBY, 28S, OA10
CHAMFER 45° x 1/16
SECTION A-A
GRIND
DRILL 1/4 +.010 -.000 2 HOLES
COUNTER BORE 9/16 DIA 2 HOLES
3.3125 +.005 -.031
2 1/2
1 25/32
53°
45°
30°
15°
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64
[redacted]
APPROVED 5-25-36 DATE
CALC. WT. 1.6
ACT. WT.
SCALE 12" = 1'-0"
AC
NAVY NAVAL BRASS CASTING
MATERIAL
46 B10
SPEC.
NONE
HEAT TREAT
C
FINISH
DRAFT
CHECK
EXAM.
ENG.
MILLER
3-18-37
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
CHOCK-HULL
MOORING PLATFORM-ANCHOR
OPP. HAND
DWG.
D
SIZE
28B1864
O.H.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
PBY-5 28B1089 1
PBY-4 28B1089
PBY-3 28B1089
PBY-2 28B1089
PBY-1 28B1089 1
ST'D PARTS
MAT.
PART NO.
LH
RH
REQ.
PARTS LIST PER ASSY.



LET | ALTERATION | DATE | BY
K | TRACED. NO.WT.CHG. | 6-9-43 | HERMAN
L | REMOVED VIEW SHOWING 1/16 X 45° CHAMFER. REM. 3/8 X 7/16 TABS (2) & 13/32 DIM. & 1/8 R. CORRECTED "FRONT VIEW" TO AGREE WITH "VIEW SHOWING END OF -3" WT.CHG.NEG | 9-15-43 | WELCH
(L)
28B1704
6 PRICK PUNCHES EQUALLY SPACED AS SHOWN THIS SIDE.
1/4
1/4
9/32
3 5/8
15/64
9/64 R
3/32 R
9/64 R
9/32
5/32
7/32
3 11/16
7 23/32
(L)
30°
30°
(6) AN 425 D4 EACH FLANGE EQUALLY SPACED AS SHOWN C'S'K INSIDE OF -2
(-3)
BREAK CORNER AT 1/8 R
9/32
9/32 × 5/32 SLOT (REF)
5/32
(L)
7 23/32 B
SHOWING END OF -3 WITH SLOT IN SIDE.
FINISH CODE
Z | ANODIC TREATMENT
P | F-27 PRIMER
GP | GREEN PRIMER
C | CADMIUM PLATE
-4 | 28-5AMN | 28B4150 | 1
-4 | 28-5AMN | 28B4152 | 1
-4 | PBY-5B | 28B4150 | 1
-4 | 28-5AMN | 28B4152 | 1
-4 | 28-5AMN | 28B4150 | 1
-4 | 28-5ME | 28B4150 | 1
-4 | 28-5MO | 28B4150 | 1
-4 | 28-5MA | 28B4150 | 1
-4 | 28-5AMC | 28B4150 | 1
-4 | PBY-5B | 28B4150 | 1
-4 | PBY-5A | 28B4150 | 1
-4 | PBY-5A | 28B4152 | 1
-4 | 28-5MN | 28B4152 | 1
-4 | 28-5MC | 28B4152 | 1
-4 | 28-5MA | 28B4152 | 1
-4 | 28-5ME | 28B4152 | 1
-4 | PBY-5 | 28B4152 | 1
-4 | PBY-4 | 28B1875-1 | 1
-4 | PBY-3 | 28B1875-1 | 1
-4 | PBY-2 | 28B1875-1 | 1
-4 | PBY-5 | 28B4150 | 1
-4 | PBY-3 | 28B1875 | 1
-4 | PBY-2 | 28B1875 | 1
-4 | PBY1 | 28B1875 | 2
ASSY. DASH No. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES 28B188 6-1-36
.31 SHA CALC. WT.
REPLACED BY
ACT. WT.
± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
AN425-D4
28B1704 | 2
28B1880-3 | 1 1/2 OD X .049 X 7 3/4 | AL ALL TUBE | 44T 21-T | 1
PART No. | STOCK | MATERIAL | SPEC. | LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY NONE
HEAT TREAT
Z-P-GP
FINISH
6-9-43 STIER | MILLER | LCW
W.W. WILLIAMS 12-19-36 | 12-11-36
DRAFT | CHECK | STRUCT | MAT | APPROV | ENG.
NAME TUBE-HULL AFT GUN HATCH SNUBBING POST
OPP. HAND
DWG. D SIZE 28B1880
CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.
R 28B1880


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B | TRACED UP TO DATE | 3-22-37 | V.I.B.
C | ADDED 1/4 DIM. & NOTE ".098 DIA.-5 PILOT HOLES (EQUAL SPACES)" WT. CHG. NBC | 4-2-42
K
C
1/4
1 1/8 DIA.
.098 DIA.
5-PILOT HOLES
(EQUAL SPACES)
-3
WELD
40°
6 3/4
1 7/8 R.
3 7/16
-2
16 1/2
-2 5/8 O.D. x .028 ALUM. TUBE (25 1/2 H)
SPEC. 44T19 TEMPER 1/2 H
-3 -4 .040 ALUM. SHEET (25 1/2 H)
SPEC. 47A2 TEMPER 1/2 H
GP-GREEN PRIME
FINISH [redacted]
C [redacted]
FINISH:- GP
Z-P - [redacted] ON PBY-1
Z-P - [redacted] ON PBY-2 & FUTURE
GP
5/16
2
1/8 R
2 3/4
-4
5/16
1/2
7/8
WELD.
24°
PRICK PUNCH 7 POINTS
ON THIS SIDE.
28-5AMN 28B1124 1
28-5AMC 1
28-5MC 1
28-5MN 1
28-5ME 1
28-5MA 1
PBY-5B 1
PBY-5A 1
PBY-5 1
PBY-4 28B1124
PBY-3 28B1124 1 -4 1
PBY-2 28B1124 1 -3 1
PBY-1 28B1124 1 -2 1
O.H. MODEL NEXT ASSY. REQ. STD PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
REPLACES 28B1888 OF 6-9-36 C.O. 3290
APPROVED 3-12-37 DATE
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
13 CALC. WT. ACT. WT.
SCALE 12" = 1'-0"
AC
NAVY NOTED NOTED NONE NOTED
MATERIAL SPEC. HEAT TREAT FINISH
RMcC 3-12-37 3-18-37
DRAFT CHECK EXAM. ENG.
[redacted]
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME TUBE - HULL - BOW GUN SHELF DRAINING
OPP. HAND
DWG. D SIZE 28B1888
SULLIVAN-McGEOGAN Co., INC. BUFFALO
IMPERIAL TRACING CLOTH


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
PBY-5, 28-ME, 28MF, 28MA
PBY-5A, E.O. 31139
B TRACED UP TO DATE
C ADDED -6 & -7 ASSYS 10-25-40
D REMOVED -6 & -7 ASSYS. ADDED BY CHG. C 2-17-41 FRICK LENTEN
PBY5A E.O. 10737
E ADDED -5, -6, -7 TO FACE OF DWG. & B/M 2-17-41 FRICK LENTEN
& ADDED NA REQTS. FOR -2, -3, -5, -6 & -7
ADDED 50° TO -2, -5, -6, -7
E.O.C. PENFIELD 6-8-41
F REMOVED -5, -6, & -7 FROM REQ.
PER AIRPLANE BLOCK & ADDED
BRACKETS FOR -2 & -3 REQMTS
REMOVED -5, -6, & -7 NOTATION
FROM FACE OF DRAWING.
REMOVED 50° ANGLE FROM
FACE 6-24-41 DICK
G IN B.M. & ON FACE, AT AC525-C10-8, ADDED "SEE NOTE #1" TO FACE
ADDED NOTE #1. (NO WT. CHG) 7-3-43 KNIGHT
28B1100-13 (REF.)
4 9/16
11/32
AN530-6-6
DRILL #35 (.110)
28B1883
28B1895-3
28B1892 FOR-0 & -1
AN425-04
FLUSH OUT-SIDE
28B1891
5" TO DECK LINE (REF.)
AC525-C10-8
(SEE NOTE #1)
16°
2 1/8
28B1894
9 1/4 TRUE
28B1890
SHOWN LOOKING FOR'D.
SCALE 12"=1'-0"
FINISH THIS END
28B1891 FLUSH
WITH OUT SIDE
OF HULL REINF. PLATE.
28B1886
AFT. FACE OF BHD. #1
28B1100 (REF.)
Q-4305-04
4
STR. 8
5/8 x 1 1/4 x .060 EXT. ANGLE
SECT. #K9876
SPEC. 46A9 COND. "T"
(24ST)
AN442-04
38°
BOTH ENDS
REINF. PLT.
.051 AL. ALLOY SHT.
SPEC. 47A10 COND. T.
(24 ST)
BLK HD. #1
28B1100 (REF)
STR. 9
28B1890-1
SHOWN LOOKING FOR'D.
SIMILAR TO 28B1890 EXCEPT
AS SHOWN OTHERWISE
SCALE 6"=1'-0"
NOTE:-
ALL DIM'S
IN THIS VIEW
ARE ACTUAL.
1 1/16
1 1/16
1 3/4
GP-GREEN PRIME
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
FINISH FOR DETAILS ONLY:-
Z-P-2 GP ON PBY-1
Z-P-2 GP ON PBY-2 & FUTURE
C.91876 -2-3 PBY5 28B6175 1EA.
C-88476 -2-3 PBY-5A 28B5175 1EA.
PBY-5B 28B5175
28-5AMC 28B5175
134 SHIPS PBY-5A
OA-10
-3 28-5MC
-2 28-5MN 28B5175
-1 28-5MA 28B1000
-0 28-5MA
-1 28-5ME
-0 28-5ME
33 SHIPS -1 PBY-5A 28B5500
-0 PBY-5A 28B5500
SHIPS #1 THRU #167 C.70496
-1 PBY-5 28B1000
-0 PBY-5 28B1000
-1 PBY-4 28B1000
-0 PBY-4 28B1000
-1 PBY-3 28B1000
-0 PBY-3 28B1000
-1 PBY-2 28B1000
-0 PBY-2 28B1000
-1 PBY-1 28B1000
-0 PBY-1 28B1000
28B1896
28B1895-3
28B1894
28B1892
28B1891
28B1883
Q-4305-04
AN530-6-6 2 2
AC525 C10-8 1 1 (SEE NOTE #1)
AN442-04
AN425-04
28B1890-1
28B1890-2
O.H. MODEL NEXT ASSY REQ. STD PARTS REQ. PART NO. REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
REPLACES 28B347 OF 11/6/39
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64 & 1°
LCW 6-22-36
APPROVED DATE
CALC WT. ACT. WT.
SCALE NOTED
AC
NAVY NOTED NOTED NONE NOTED
MATERIAL SPEC. HEAT TREAT FINISH
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME STEP INST. - HULL
BOW RETRACTING.
OPP. HAND 28B1890-1
DWG. SIZE D 28B1890
NOTES:-
1.- AC525-10-8 MAY BE USED AS
AN ALTERNATE FOR AC525-C10-8.
R 28B1890



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C | TRACED TO DATE
D | ADDED RIVET HOLE
E | DWG NOW STANDS AS PREVIOUS TO CHANGE "D"
F | 7 HOLES - 6 EQ. SPACES WAS 8 HOLES, 8 EQ. SPACES
DRILL 1/8 D. 4 HOLES AFTER FORMING.
"A"
45°
"A"
.064
FLAT PATTERN DETAIL OF -4 & -5 BEND TO 3/8 R. AS SHOWN.
.064 AL. ALLOY SHEET SPEC. 47A10 COND. T. (24 ST.)
SECTION "A-A"
.125 AL. ALLOY SHEET SPEC. 47A10 COND. "T." (24 ST.)
FLAT PATTERN OF SLOT IN -2
.064 AL. ALLOY SHEET SPEC. 47A10 COND. "A" (24 SO) H.T. SR-83 (COND. "T")
1 1/2 O.D. X .049 AL ALLOY TUBE SPEC. 44T21 COND. T (17 ST.)
SLOT 1/16 WIDE TO CLEAR BEND RADIUS.
60°
AN 425-D4 FLUSH INSIDE TUBE
AN 425-D4 FLUSH INSIDE TUBE
7 1/4
28B1704
1/2 FLG. ALL AROUND
3/64 CROWN
AN425-D4 FLUSH INSIDE TUBE BOTH FLANGES.
DRILL 1/8 D. 7 HOLES 6 EQ. SPACES.
FINISH
Z ALL OVER
P INSIDE
Z OUTSIDE ON PBY-1
Z OUTSIDE ON PBY-2 & FUTURE
GP-GREEN PRIMER
FINISH CODE
[redacted]
-3 | PBY-5B | 28B5174 | 2
-3 | PBY-5A | 28B5174 | 2
-3 | PBY-5A | 28B5174 | 2
PBY-5A | 28B1890 | 2
PBY-4 | 28B1890-1
PBY-4 | 28B1890
PBY-3 | 28B1890-1 | AN425-D4
PBY-3 | 28B1890 | 28B1704 | 1 | 1
PBY-2 | 28B1890-1 | -5 | 2 | 2 | 2
PBY-2 | 28B1890 | -4 | 1 | 1 | 1
PBY-1 | 28B1890-1 | -3 | 1 | 1
PBY-1 | 28B1890 | 28B1891-2 | 1 | 1 | 1
O.H. | MODEL | NEXT ASSY. | REQ. | PART Nº.
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
APPROVED | DATE
.26 CALC. WT. | ACT. WT.
SCALE 12" = 1'-0"
MAT.
[redacted]
AC
NAVY NOTED | NOTED | NOTED | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
DRAFT | CHECK | EXAM. | ENG.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME TUBE ASSEMBLY-HULL-RETRACTING BOW STEP.
D 28B1891

E.O. A47266

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
D	TRACED UP TO DATE	3-17-37	RMcC
E	REMOVED 1 $\frac{?}{32}$ DIMS. & ADDED 2 $\frac{7}{16}$ $\frac{+.031}{-.000}$ DIM. (NO WT. CHG.)	6-30-42	[illegible]

(E)

GP-GREEN-PRIME

FINISH CODE	
[redacted]	
P	[redacted]
AP	[redacted]
C	CADMIUM PLATE

FINISH:- GP
Z-P-[redacted] ON PBY-1
Z-P-[redacted] GP ON PBY-2 & FUTURE

O.H.	MODEL	NEXT ASSY.	REQ.
	PBY-5	28B1089	2
	PBY-5A		2
	PBY-5B		2
	28-5MA		2
	28-5MC		2
	28-5ME		2
	28-5MN		2
	28-5AMC		2
	28-5AMN	28B1089	2
	PBY-4	28B1089-1	
	PBY-4	28B1089	
	PBY-3	28B1089-1	
	PBY-3	28B1089	
	PBY-2	28B1089-1	
	PBY-2	28B1089	
	PBY-1	28B1089-1	
	PBY-1	28B1089	

REQUIREMENTS PER AIRPLANE

ST'D PARTS	REQ. LH	REQ. RH	PART NO.	REQ. LH	REQ. RH

MAT. — PARTS LIST PER ASSY.

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED $\pm \frac{1}{32}$

[redacted]

APPROVED [illegible] DATE 6-16-36
CALC. WT. .43 — ACT. WT.
SCALE 12" = 1'-0"

	MATERIAL	SPEC.	HEAT TREAT	FINISH
AC				
NAVY	.064 AL. ALLOY SHEET	47A10 (COND A)	53S3 (COND T)	NOTED

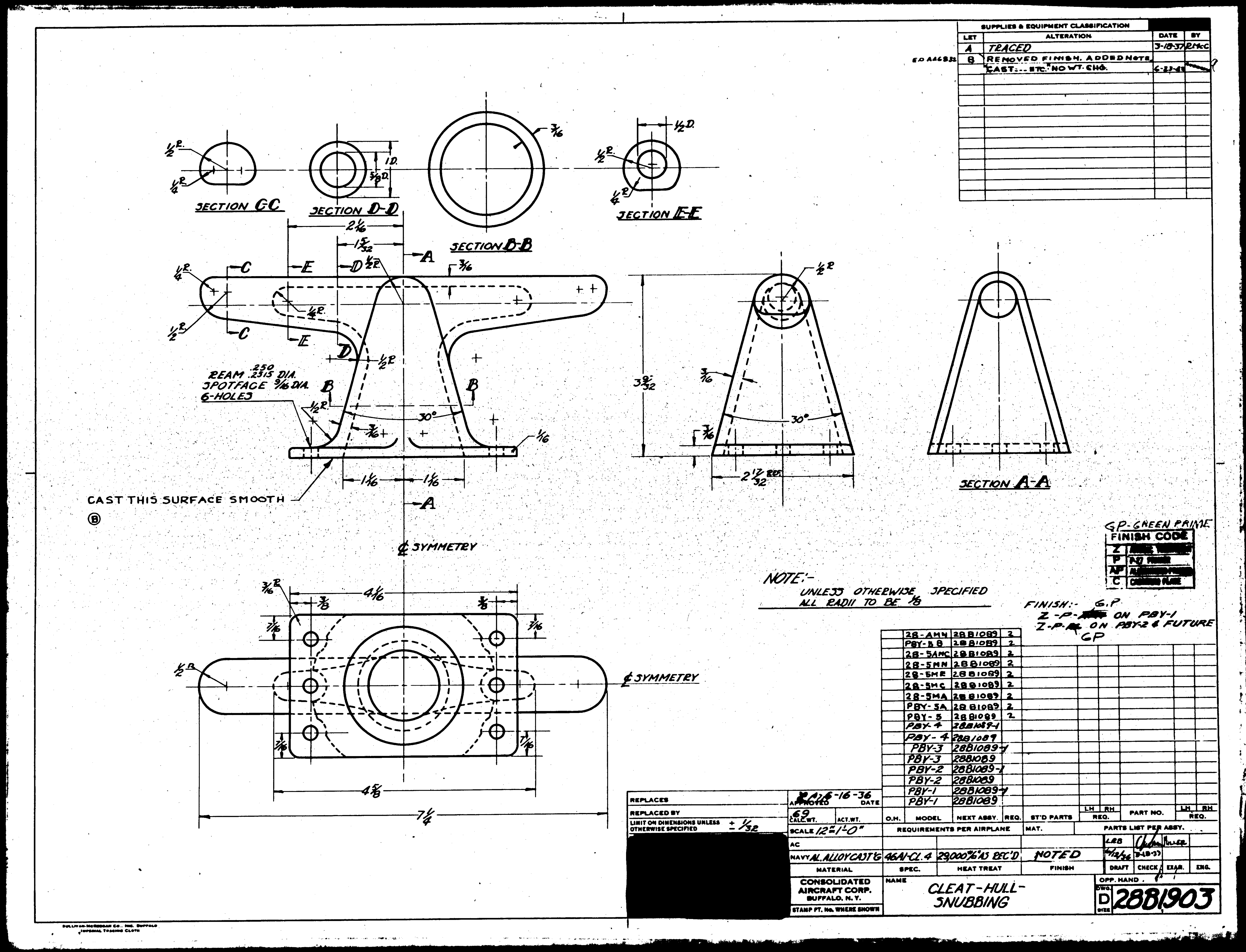
DRAFT	CHECK	EXAM.	ENG.
LRB 6/13/36	[illegible] 3-10-37	[illegible]	

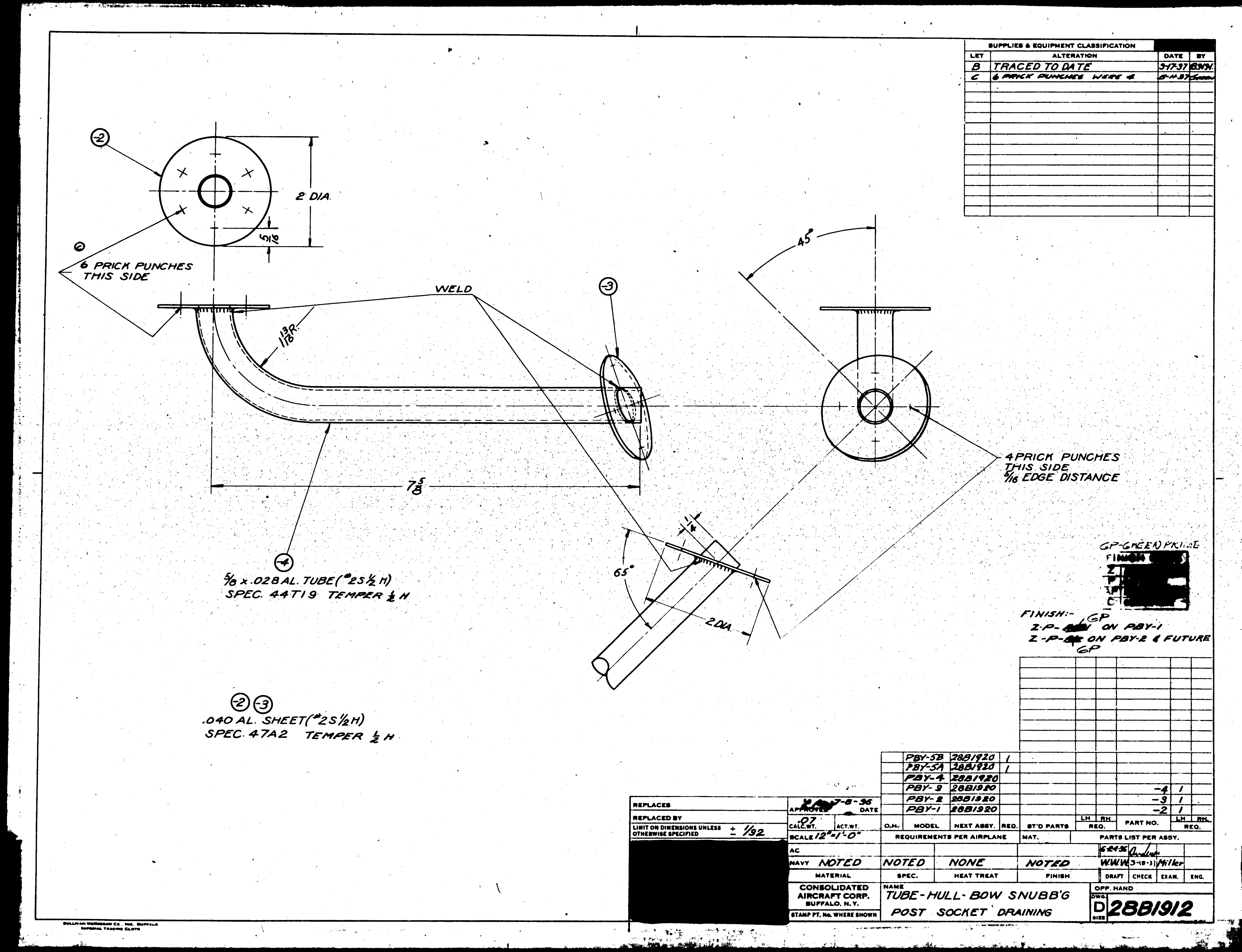
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN

NAME: SUPPORT-HULL-SNUBBING CLEAT

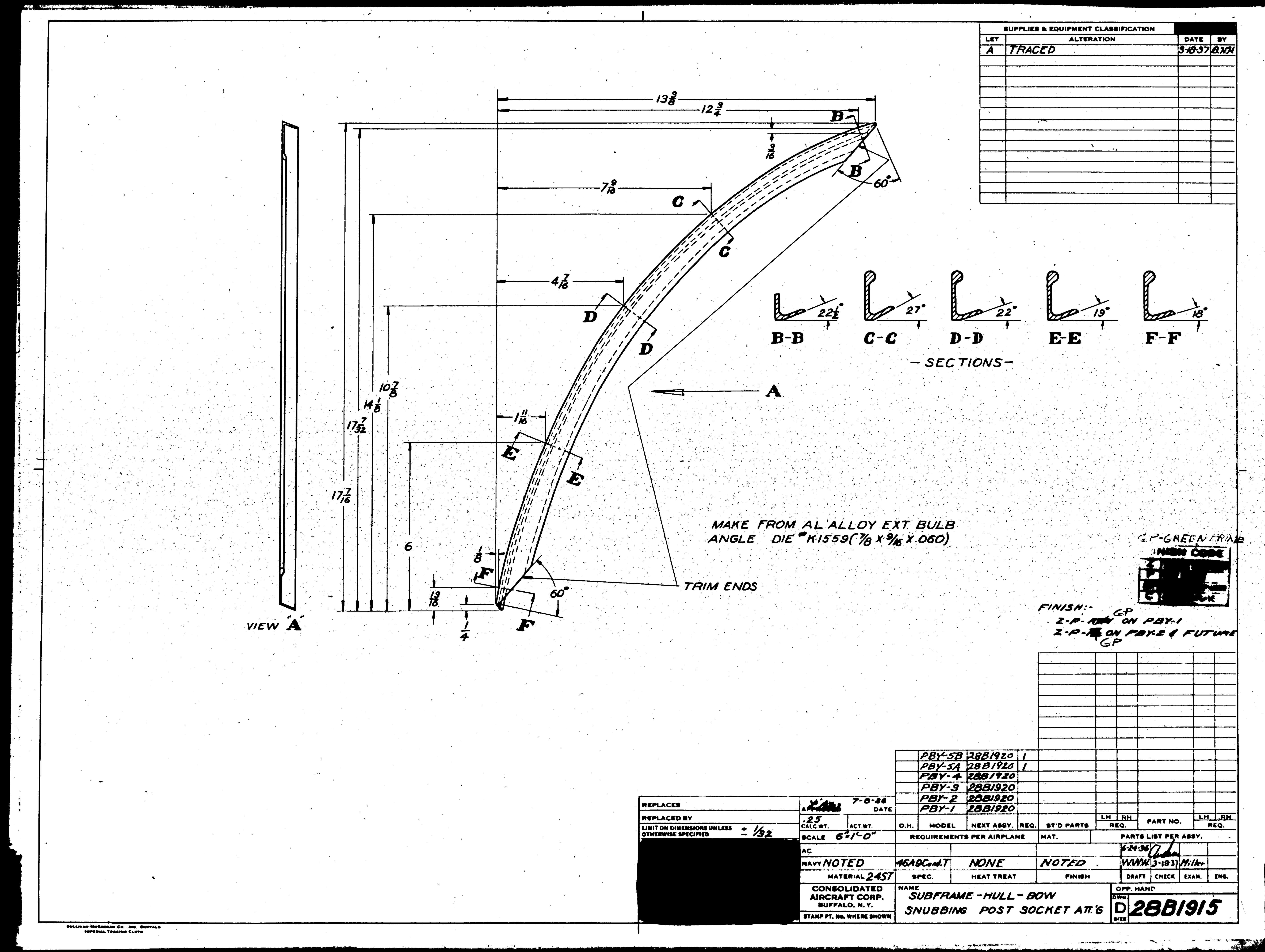
OPP. HAND
DWG. SIZE D 28B1902

SULLIVAN-McKEOGAN CO. INC. BUFFALO
IMPERIAL TRACING CLOTH

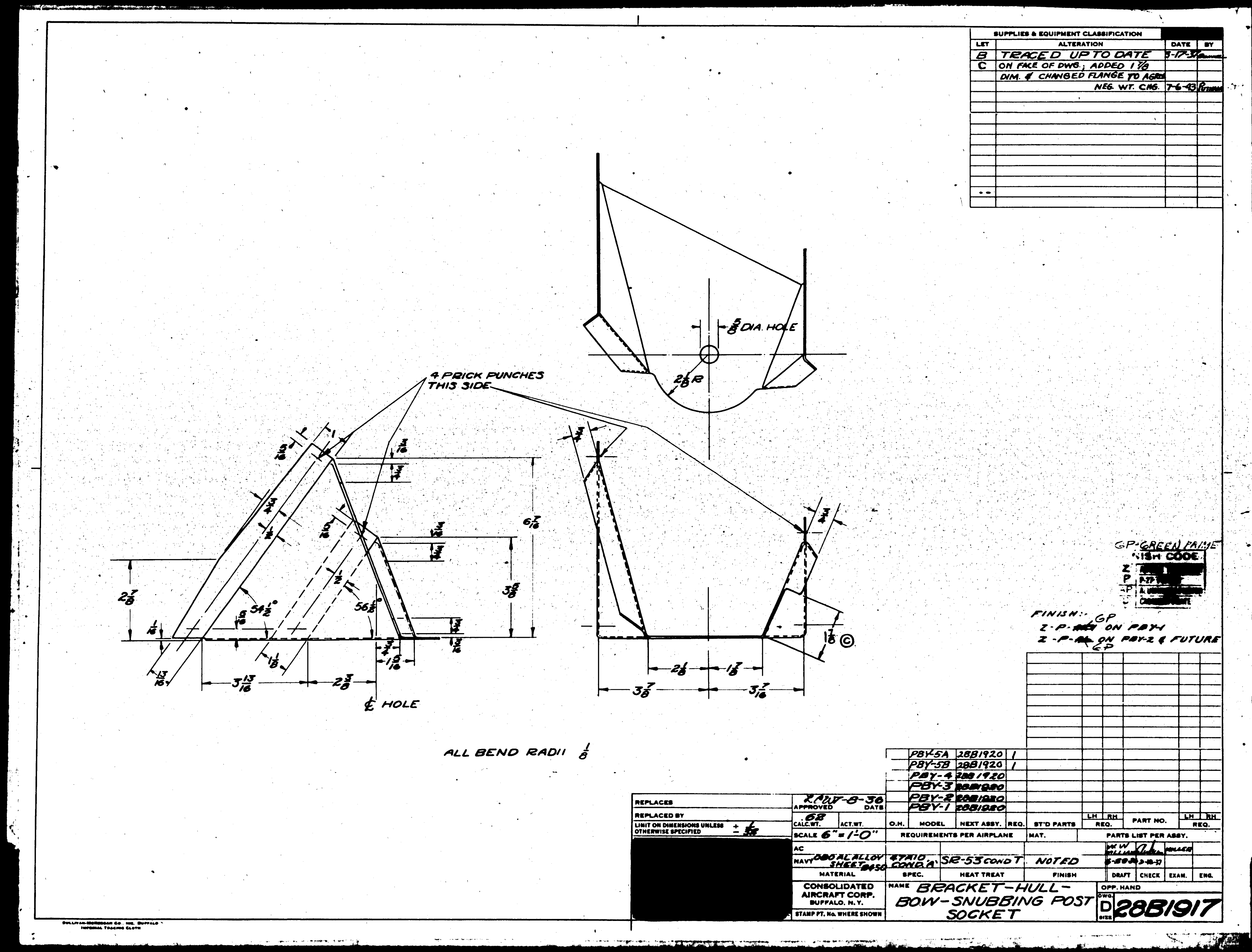

SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED | 3-18-37 | RMcC
B | REMOVED FINISH. ADDED NOTE CAST:-- ETC. NO WT. CHG.
SECTION C-C
SECTION D-D
SECTION B-B
SECTION E-E
SECTION A-A
REAM .250 .2515 DIA. SPOTFACE 9/16 DIA. 6-HOLES
CAST THIS SURFACE SMOOTH
℄ SYMMETRY
NOTE:- UNLESS OTHERWISE SPECIFIED ALL RADII TO BE 1/8
GP-GREEN PRIME
FINISH CODE
FINISH:- G.P. Z-P- ON PBY-1 Z-P- ON PBY-2 & FUTURE GP
28-AMN 28B1089 2
PBY-5B 28B1089 2
28-5AMC 28B1089 2
28-5MN 28B1089 2
28-5ME 28B1089 2
28-5MC 28B1089 2
28-5MA 28B1089 2
PBY-5A 28B1089 2
PBY-5 28B1089 2
PBY-4 28B1089-1
PBY-4 28B1089
PBY-3 28B1089-1
PBY-3 28B1089
PBY-2 28B1089-1
PBY-2 28B1089
PBY-1 28B1089-1
PBY-1 28B1089
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
[redacted]
APPROVED -16-36 DATE
.69 CALC. WT. ACT. WT.
SCALE 12"=1'-0"
AC
NAVY AL. ALLOY CAST'G 46Al-CL.4 29,000#/□" AS REC'D NOTED
MATERIAL SPEC. HEAT TREAT FINISH
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME CLEAT-HULL-SNUBBING
OPP. HAND
DWG. D SIZE 28B1903



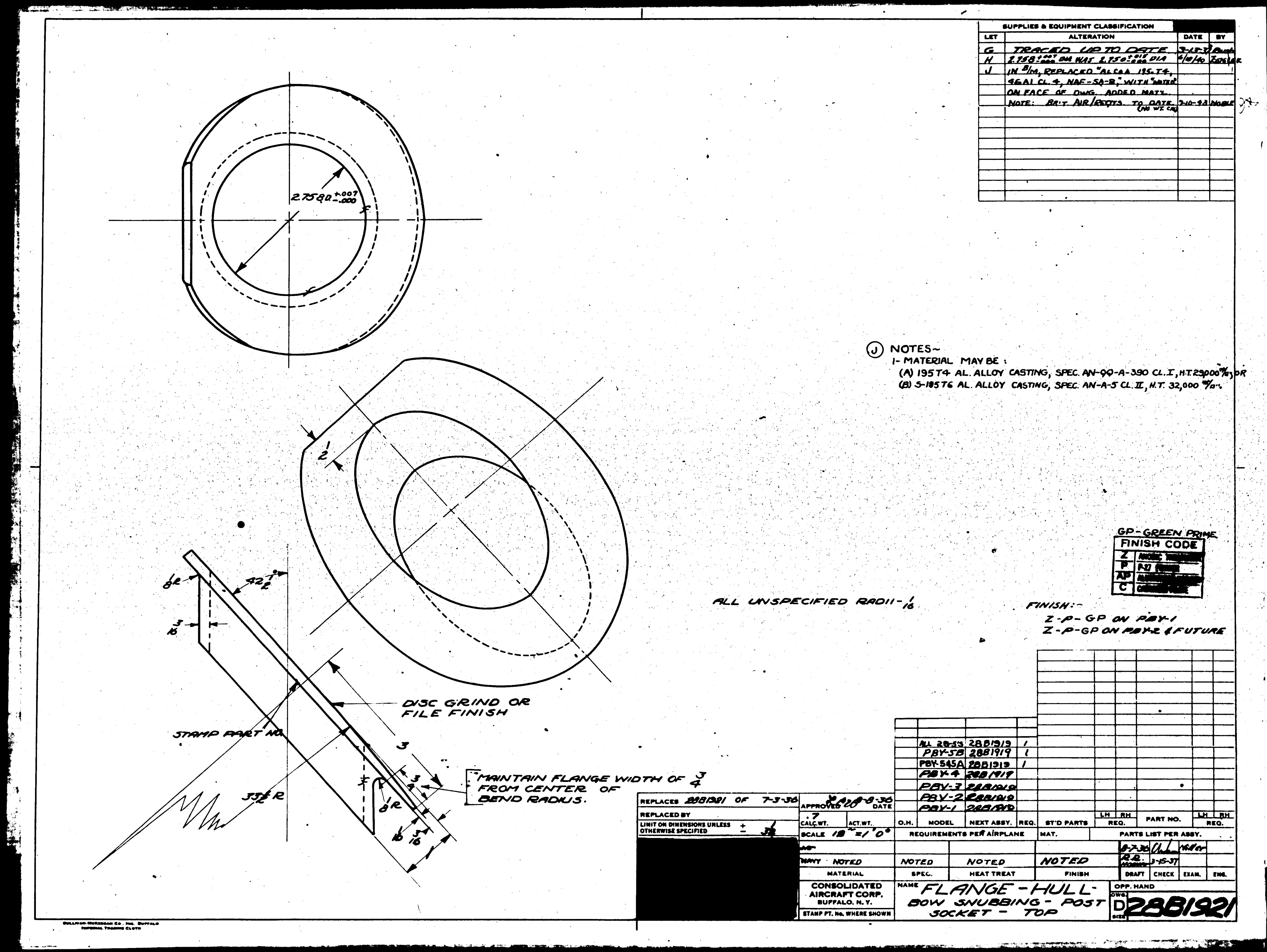
SUPPLIES & EQUIPMENT CLASSIFICATION [redacted]
LET | ALTERATION | DATE | BY
B | TRACED TO DATE | 3-17-37 | B.W.H.
C | 6 PRICK PUNCHES WERE 4 | 5-11-37
-2
2 DIA.
5/16
6 PRICK PUNCHES THIS SIDE
WELD
-3
1 13/16 R.
45°
7 5/8
4 PRICK PUNCHES THIS SIDE 5/16 EDGE DISTANCE
1/4
65°
2 DIA.
-4
5/8 x .028 AL. TUBE (#2S 1/2 H) SPEC. 44T19 TEMPER 1/2 H
-2 -3
.040 AL. SHEET (#2S 1/2 H) SPEC. 47A2 TEMPER 1/2 H
GP-GREEN PRIME
[redacted]
FINISH:- Z-P-GP ON PBY-1
Z-P-GP ON PBY-2 & FUTURE
PBY-5B 28B1920 1
PBY-5A 28B1920 1
PBY-4 28B1920
PBY-3 28B1920
PBY-2 28B1920
PBY-1 28B1920
-4 1
-3 1
-2 1
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
APPROVED 7-8-36 DATE
.07 CALC. WT. ACT. WT.
SCALE 12"=1'-0"
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
[redacted]
AC
NAVY NOTED
MATERIAL
NOTED SPEC.
NONE HEAT TREAT
NOTED FINISH
6-24-36
WWW 3-18-37 Miller
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME TUBE-HULL-BOW SNUBB'G POST SOCKET DRAINING
OPP. HAND
DWG. D SIZE 28B1912

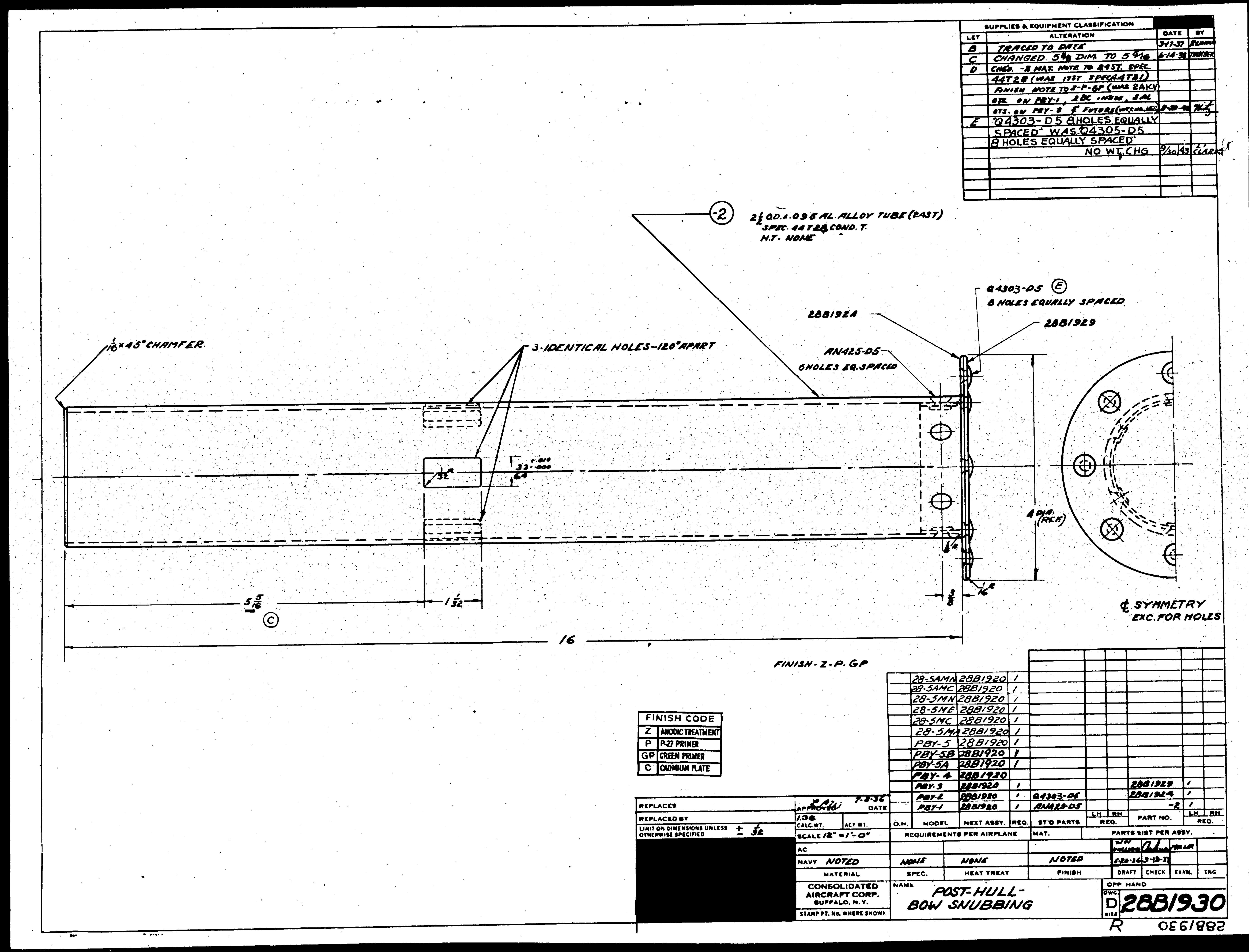


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED | 3-18-37 | B.N.H.
13 9/8
12 3/4
B
B
3/16
60°
7 9/16
C
C
4 7/16
D
D
10 7/8
14 1/8
17 7/32
17 7/16
1 11/16
E
E
6
1/8
F
F
13/16
1/4
60°
VIEW "A"
A
TRIM ENDS
22 1/2°
27°
22°
19°
18°
B-B
C-C
D-D
E-E
F-F
- SECTIONS -
MAKE FROM AL ALLOY EXT. BULB
ANGLE DIE # K1559 (7/8 X 9/16 X .060)
GP-GREEN PRIME
FINISH:-
Z-P- GP ON PBY-1
Z-P- GP ON PBY-2 & FUTURE
PBY-5B 28B1920 1
PBY-5A 28B1920 1
PBY-4 28B1920
PBY-3 28B1920
PBY-2 28B1920
PBY-1 28B1920
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
[redacted]
APPROVED 7-8-36 DATE
.25 CALC. WT.
ACT. WT.
SCALE 6"=1'-0"
AC
NAVY NOTED
MATERIAL 24ST
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
46A9 Cond. T | NONE | NOTED
SPEC. | HEAT TREAT | FINISH
6-24-36 WWW | 3-18-37 | Miller
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
SUBFRAME - HULL - BOW
SNUBBING POST SOCKET ATT. 6
OPP. HAND
DWG. SIZE D
28B1915
SULLIVAN-McKEOGAN CO. INC. BUFFALO
IMPERIAL TRACING CLOTH



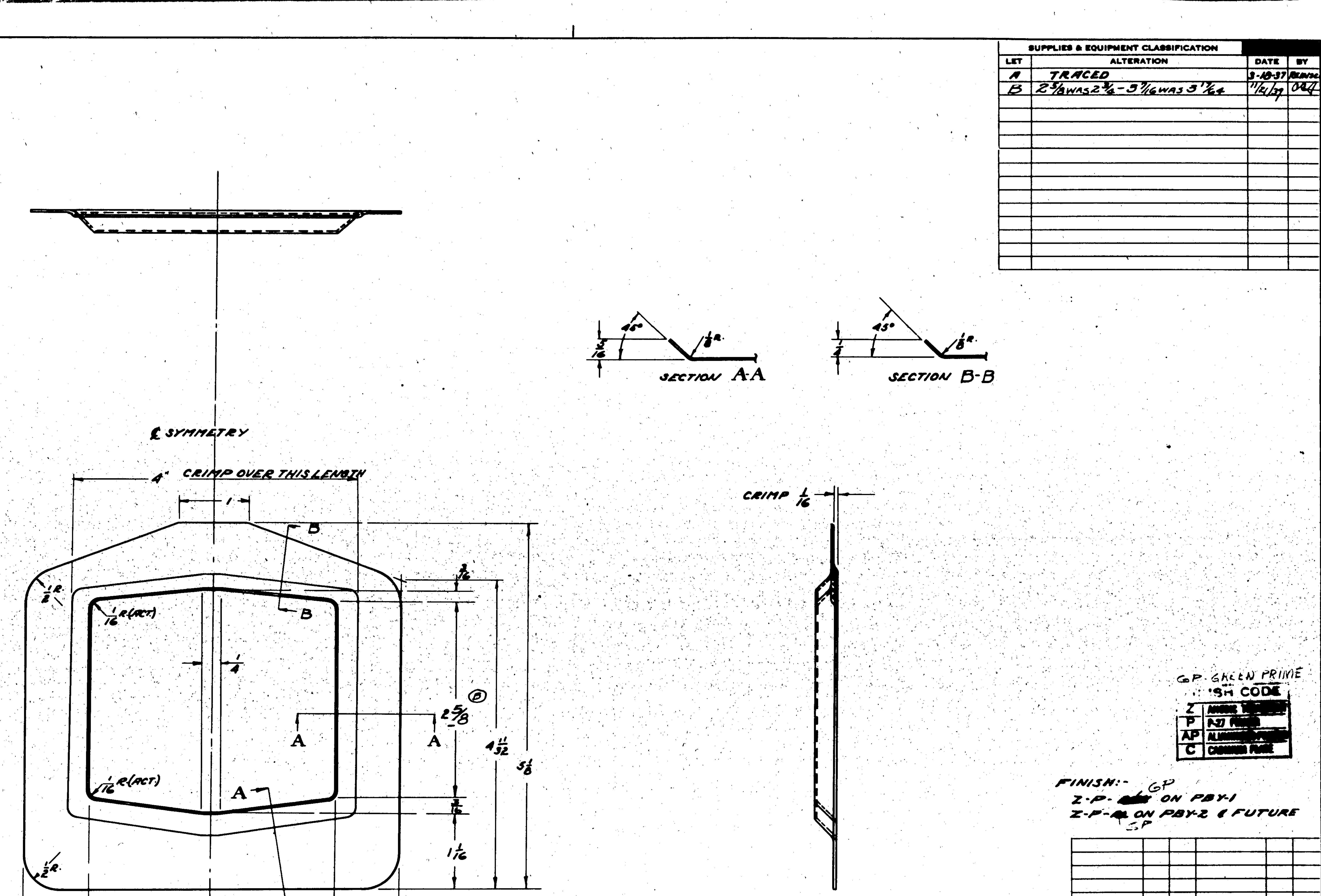
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B TRACED UP TO DATE 3-17-37
C ON FACE OF DWG.; ADDED 1 7/8 DIM. & CHANGED FLANGE TO AGREE
NEG. WT. CHG. 7-6-43
5/8 DIA. HOLE
2 1/8 R
4 PRICK PUNCHES THIS SIDE
6 7/16
3 5/8
2 7/8
54 1/2°
56 1/2°
3 13/16
2 3/8
1 5/16
13/16
℄ HOLE
2 1/8
1 7/8
3 7/8
3 7/16
1 7/8
ALL BEND RADII 1/8
GP-GREEN PRIME
FINISH CODE
Z [redacted]
P [redacted]
P [redacted]
FINISH:- GP
Z-P- ON PBY-1
Z-P- ON PBY-2 & FUTURE GP
PBY-5A 28B1920 1
PBY-5B 28B1920 1
PBY-4 28B1920
PBY-3 28B1920
PBY-2 28B1920
PBY-1 28B1920
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
APPROVED DATE 8-36
CALC.WT. 68 ACT.WT.
SCALE 6" = 1'-0"
AC
NAVY .080 AL ALLOY SHEET 24SO | 47A10 COND'A' | SR-53 COND T | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
DRAFT | CHECK | EXAM. | ENG.
[redacted]
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME BRACKET-HULL-BOW-SNUBBING POST SOCKET
OPP. HAND
DWG. SIZE D 28B1917


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
G | TRACED UP TO DATE | 3-15-37
H | 2.758 +.007 -.000 DIA WAS 2.750 +.015 -.000 DIA | 6/10/40
J | IN B/M, REPLACED "ALCOA 195-T4, 46AI CL. 4, NAF-SA-B," WITH "NOTED" ON FACE OF DWG. ADDED MAT'L.
NOTE: BRIT AIR/REQTS. TO DATE (NO WT. CK) | 7-10-43 | NOBLE
2.758 +.007 -.000
1/2
42 1/2°
1/8 R
3/16
DISC GRIND OR FILE FINISH
STAMP PART NO.
3
3/4
MAINTAIN FLANGE WIDTH OF 3/4 FROM CENTER OF BEND RADIUS.
35 1/2 R
1/8 R
1/16
3/16
1
(J) NOTES~
1- MATERIAL MAY BE :
(A) 195T4 AL. ALLOY CASTING, SPEC. AN-QQ-A-390 CL. I, H.T. 29000 #/□", OR
(B) S-195T6 AL. ALLOY CASTING, SPEC. AN-A-5 CL. II, H.T. 32,000 #/□".
ALL UNSPECIFIED RADII - 1/16
GP - GREEN PRIME
FINISH CODE
Z
P
AP
C
FINISH:-
Z-P-GP ON PBY-1
Z-P-GP ON PBY-2 & FUTURE
ALL 28-5'S 28B1919 1
PBY-5B 28B1919 1
PBY-5&5A 28B1919 1
PBY-4 28B1919
PBY-3 28B1919
PBY-2 28B1919
PBY-1 28B1919
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES 28B1321 OF 7-3-36
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
[redacted]
APPROVED DATE 8-8-36
.7 CALC. WT. | ACT. WT.
SCALE 12" = 1'0"
NOTED | NOTED | NOTED | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
8-7-36 Miller
R.R. Mosier 3-15-37
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N. Y.
STAMP PT. No. WHERE SHOWN
NAME FLANGE - HULL - BOW SNUBBING - POST SOCKET - TOP
OPP. HAND
DWG. SIZE D 28B1921
SULLIVAN-McKEOGH CO., INC. BUFFALO
IMPERIAL TRACING CLOTH


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B TRACED TO DATE 3-17-37
C CHANGED 5 3/8 DIM. TO 5 5/16 6-14-38
D CHG. -2 MAT. NOTE TO 24ST. SPEC. 44T28 (WAS 17ST SPEC44T21) FINISH NOTE TO Z-P-GP (WAS 2AKV OTS. ON PBY-1, 2BC INSIDE, 3AL OTS. ON PBY-2 & FUTURE)
E "Q4303-D5 8 HOLES EQUALLY SPACED" WAS Q4305-D5 8 HOLES EQUALLY SPACED" NO WT. CHG 9/30/43 CLARK
-2
2 1/2 O.D. x .095 AL. ALLOY TUBE (24ST)
SPEC. 44T28 COND. T.
H.T.- NONE
Q4303-D5 (E)
8 HOLES EQUALLY SPACED
28B1924
28B1929
AN425-D5
6 HOLES EQ. SPACED
1/16 x 45° CHAMFER.
3-IDENTICAL HOLES~120° APART
4 DIA. (REF.)
5 5/16 (C)
1 1/32
16
℄ SYMMETRY EXC. FOR HOLES
FINISH-Z-P-GP
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
GP GREEN PRIMER
C CADMIUM PLATE
28-5AMN 28B1920 1
28-5AMC 28B1920 1
28-5MN 28B1920 1
28-5ME 28B1920 1
28-5MC 28B1920 1
28-5MA 28B1920 1
PBY-5 28B1920 1
PBY-5B 28B1920 1
PBY-5A 28B1920 1
PBY-4 28B1920
PBY-3 28B1920 1
PBY-2 28B1920 1 Q4303-D5 28B1929 1
PBY-1 28B1920 1 AN425-D5 28B1924 1
-2 1
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS REQ. PART NO. REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
[redacted]
APPROVED 7-8-36 DATE
1.38 CALC. WT. ACT WT.
SCALE 12" = 1'-0"
AC
NAVY NOTED NONE NONE NOTED
MATERIAL SPEC. HEAT TREAT FINISH
6-20-36 3-13-37
DRAFT CHECK EXAM. ENG
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N. Y.
STAMP PT. No. WHERE SHOWN
NAME POST-HULL-BOW SNUBBING
OPP HAND
DWG. SIZE D 28B1930
R 28B1930

LET	ALTERATION	DATE	BY
A	TRACED	3-18-37	[illegible]
B	2 5/8 WAS 2 3/4 - 3 7/16 WAS 3 17/64	11/21/37	[illegible]

SUPPLIES & EQUIPMENT CLASSIFICATION



	PBY-5B	28B1920	1
	PBY-5A	28B1920	1
	PBY-5	28B1959-1	
	PBY-3	28B1959-1	
	PBY-3	28B1959	
	PBY-2	28B1959-1	
	PBY-2	28B1959	
	PBY-1	28B1959-1	
	PBY-1	28B1959	
O.H.	MODEL	NEXT ASSY.	REQ.

REQUIREMENTS PER AIRPLANE

ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ. — MAT. — PARTS LIST PER ASSY.

REPLACES

REPLACED BY

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32

[redacted]

APPROVED 7-24-36 DATE

.08 CALC. WT. — ACT. WT.

SCALE 12" = 1'-0"

AC

MATERIAL	SPEC.	HEAT TREAT	FINISH
NAVY .040 AL. ALLOY SHEET 2430	24ST CONO. A	SR53 COND. T	NOTED

DRAFT	CHECK	EXAM.	ENG.
9-21-36	[illegible]	MILLER	
WW	3-22-37		

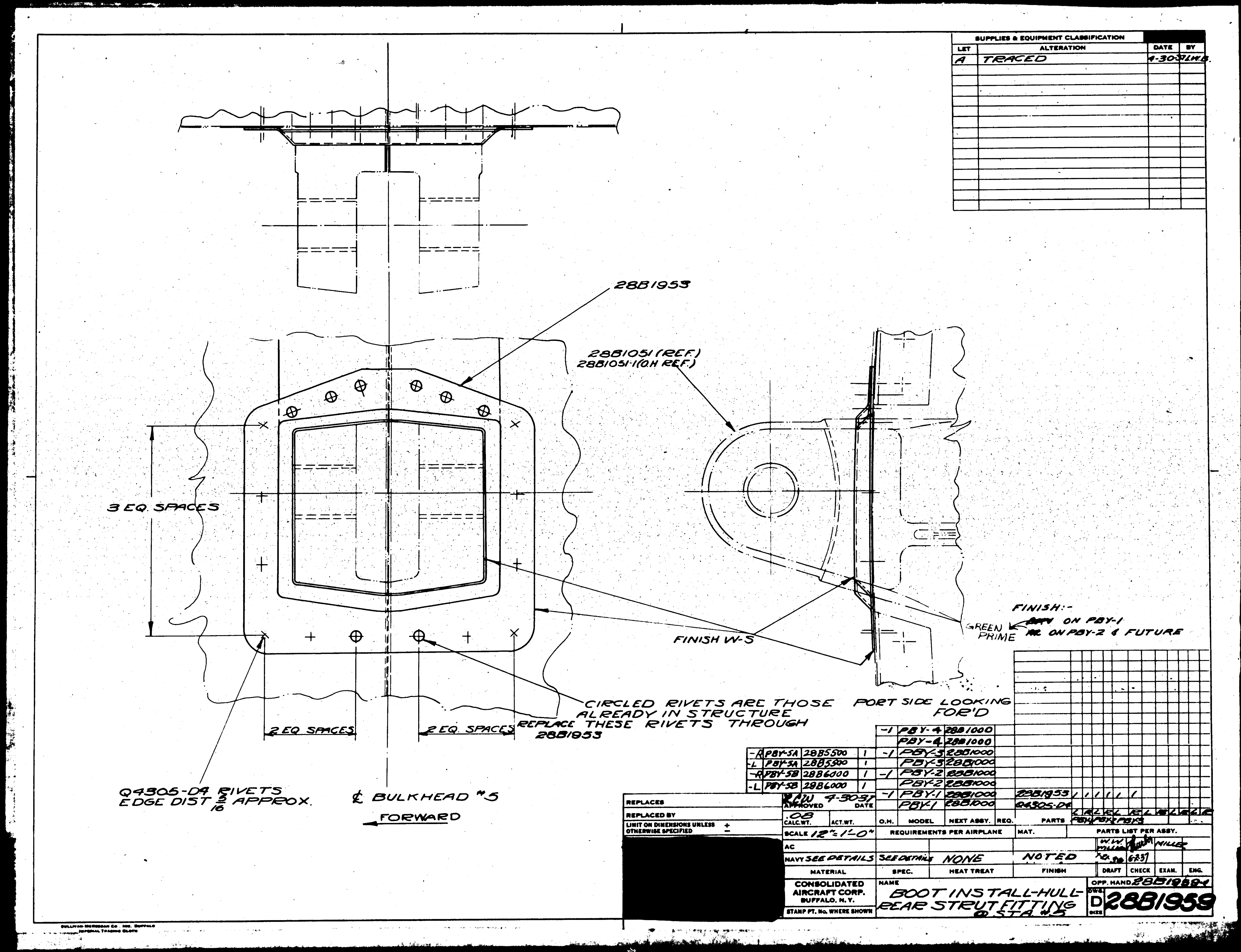
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.

STAMP PT. No. WHERE SHOWN

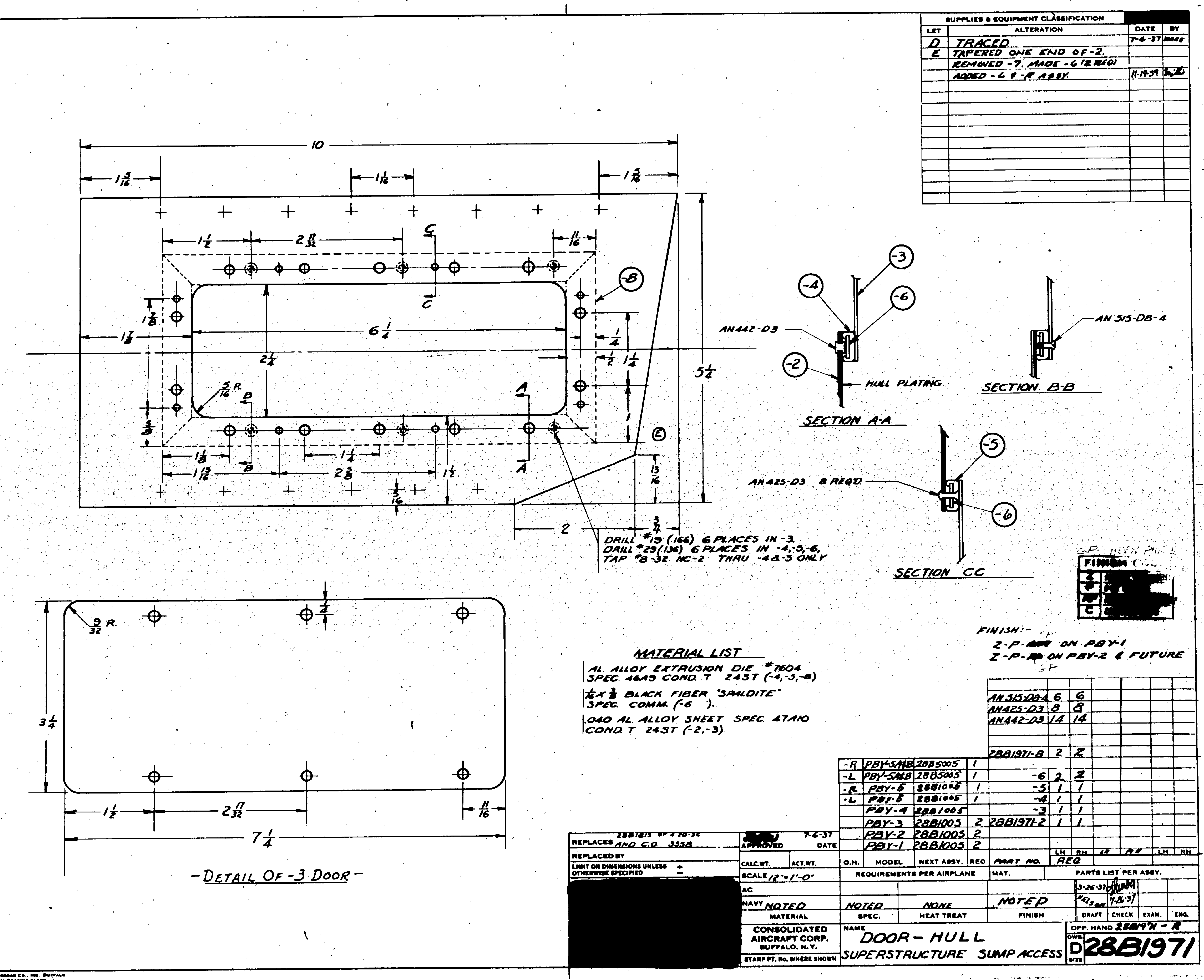
NAME BOOT-HULL-REAR STRUT FITTING AT STA. #5

OPP. HAND

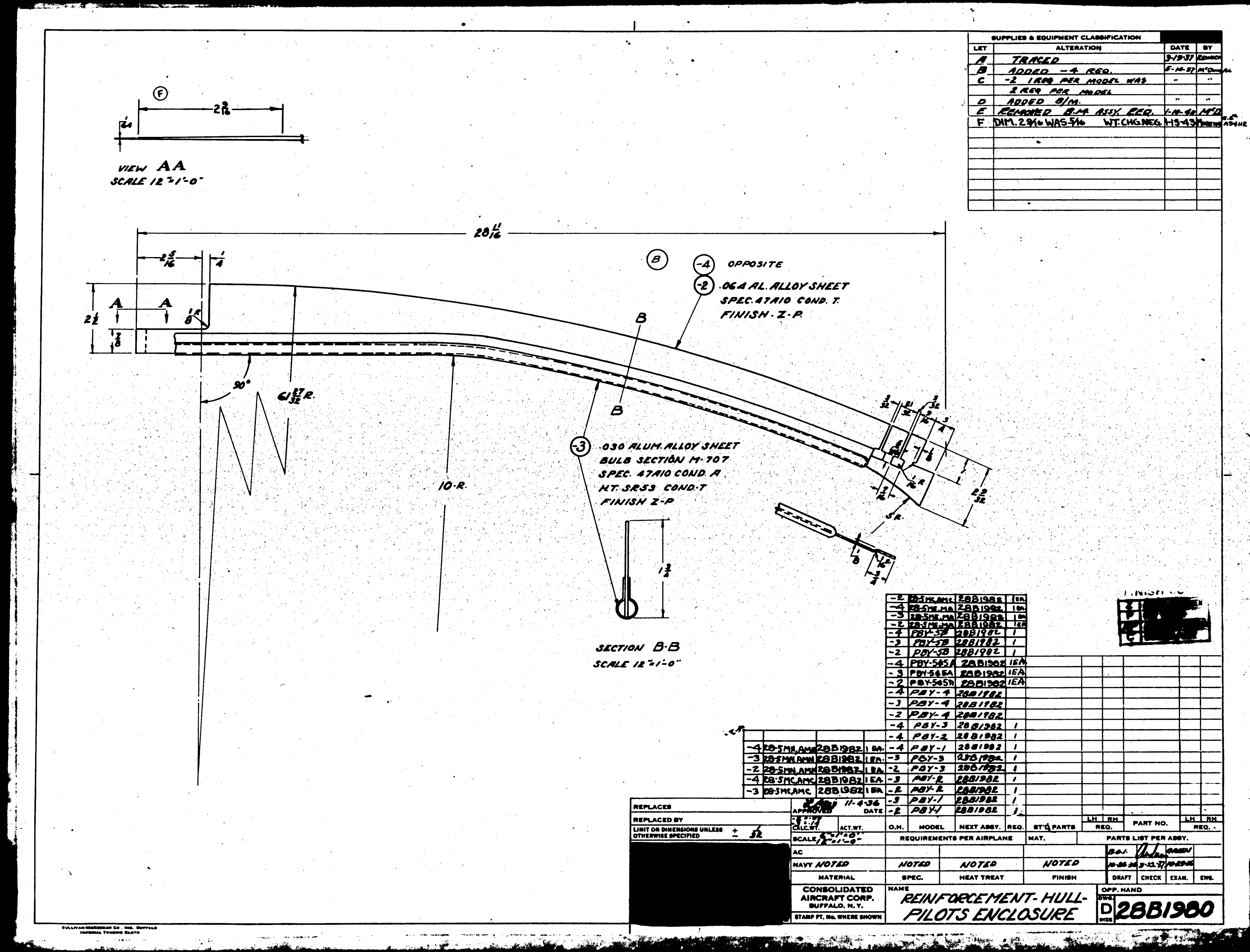
DWG. D SIZE 28B1953



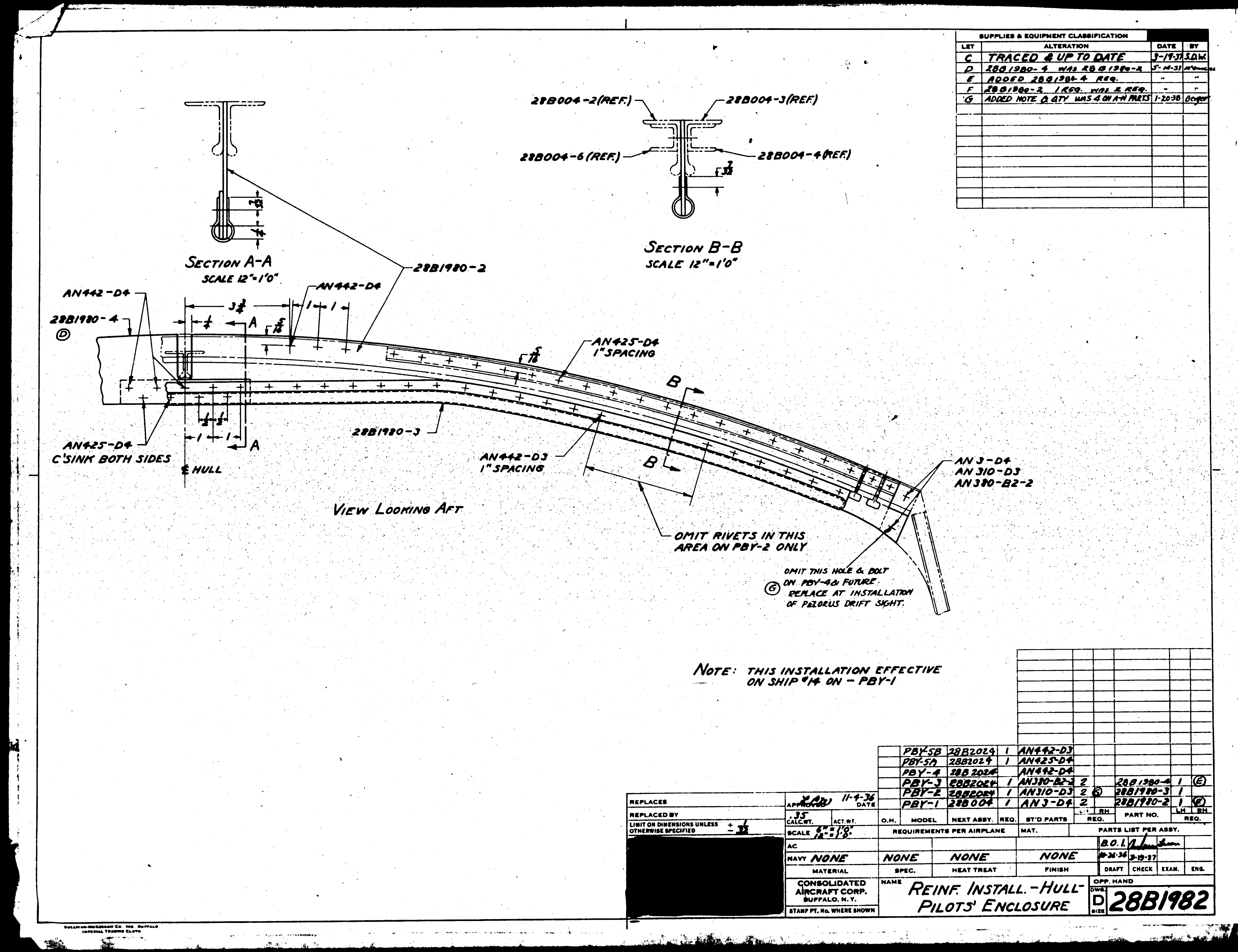
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED | 4-30-37 | W.B.
28B1953
28B1051 (REF.)
28B1051-1 (O.H REF.)
3 EQ. SPACES
FINISH:-
GREEN PRIME ON PBY-1
ON PBY-2 & FUTURE
FINISH W-5
CIRCLED RIVETS ARE THOSE ALREADY IN STRUCTURE
REPLACE THESE RIVETS THROUGH 28B1953
PORT SIDE LOOKING FOR'D
2 EQ. SPACES
2 EQ. SPACES
Q4305-04 RIVETS
EDGE DIST 3/16 APPROX.
℄ BULKHEAD #5
FORWARD
-R PBY-5A 28B5500 1
-L PBY-5A 28B5500 1
-R PBY-5B 28B6000 1
-L PBY-5B 28B6000 1
-1 PBY-4 28B1000
PBY-4 28B1000
-1 PBY-3 28B1000
PBY-3 28B1000
-1 PBY-2 28B1000
PBY-2 28B1000
-1 PBY-1 28B1000
PBY-1 28B1000
28B1953 1 1 1 1 1 1
Q4305-04
L R L R L R L R L R L R
PBY-1 PBY-2 PBY-3
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
[redacted]
RCW 4-30-37
APPROVED DATE
.08
CALC.WT. ACT.WT.
O.H. MODEL NEXT ASSY. REQ. PARTS
SCALE 12" = 1'-0"
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
AC
NAVY SEE DETAILS
SEE DETAILS
NONE
NOTED
W.W. MILLER
6-23-37
MATERIAL SPEC. HEAT TREAT FINISH DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
BOOT INSTALL-HULL-REAR STRUT FITTING @ STA #5
OPP. HAND 28B1959-1
DWG. SIZE D
28B1959

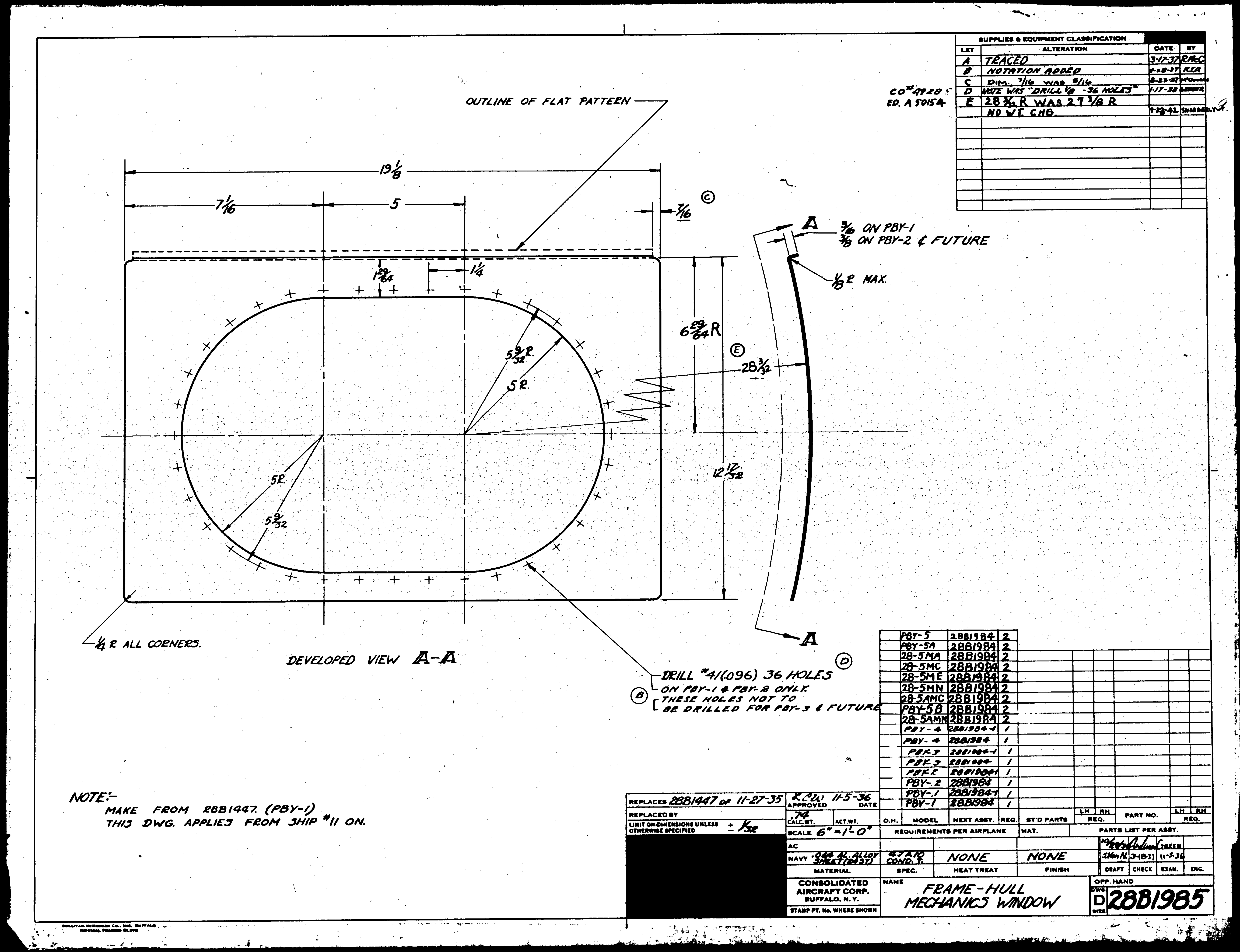


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
D | TRACED | 7-6-37
E | TAPERED ONE END OF -2.
REMOVED -7. MADE -6 (2 REQ)
ADDED -L & -R ASSY. | 11-19-39
10
1 5/16
1 1/16
1 5/16
1 1/2
2 11/32
C
C
11/16
-8
6 1/4
1 7/8
1 7/8
2 1/4
1/4
1/2
1 1/4
5 1/4
5/16 R.
B
B
3/8
A
A
1
E
1 1/8
1 1/4
1 13/16
2 3/8
1 1/2
13/16
5/16
2
3/4
DRILL #19 (166) 6 PLACES IN -3.
DRILL #29 (136) 6 PLACES IN -4,-5,-6,
TAP #8-32 NC-2 THRU -4 & -5 ONLY
-3
-4
-6
AN442-D3
-2
HULL PLATING
SECTION A-A
AN 515-D8-4
SECTION B-B
-5
AN425-D3 8 REQ'D
-6
SECTION CC
FINISH:- [redacted]
Z-P-[redacted] ON PBY-1
Z-P-[redacted] ON PBY-2 & FUTURE
9/32 R.
1/2
3 1/4
1 1/2
2 17/32
11/16
7 1/4
-DETAIL OF -3 DOOR-
MATERIAL LIST
AL. ALLOY EXTRUSION DIE #7604 SPEC. 46A9 COND. T 24ST (-4,-5,-8)
1/16 X 3/8 BLACK FIBER "SPALDITE" SPEC. COMM. (-6).
.040 AL. ALLOY SHEET SPEC. 47A10 COND. T 24ST (-2,-3).
AN 515-D8-4 | 6 | 6
AN425-D3 | 8 | 8
AN442-D3 | 14 | 14
28B1971-8 | 2 | 2
-R | PBY-5A/B | 28B5005 | 1
-L | PBY-5A/B | 28B5005 | 1 | -6 | 2 | 2
-R | PBY-5 | 28B1005 | 1 | -5 | 1 | 1
-L | PBY-5 | 28B1005 | 1 | -4 | 1 | 1
PBY-4 | 28B1005 | -3 | 1 | 1
PBY-3 | 28B1005 | 2 | 28B1971-2 | 1 | 1
PBY-2 | 28B1005 | 2
PBY-1 | 28B1005 | 2
LH | RH | LH | RH | LH | RH
O.H. | MODEL | NEXT ASSY. | REQ | PART NO. | REQ
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES 28B1815 OF 4-20-36 AND C.O. 3558
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED + −
[redacted]
APPROVED 7-6-37 DATE
CALC.WT. | ACT.WT.
SCALE 12"=1'-0"
AC
NAVY NOTED | NOTED | NONE | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
3-26-37 | 7-26-37
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME DOOR - HULL SUPERSTRUCTURE SUMP ACCESS
OPP. HAND 28B1971 - R
DWG. D SIZE 28B1971
SULLIVAN-McKEOGAN CO., INC. BUFFALO IMPERIAL TRACING CLOTH

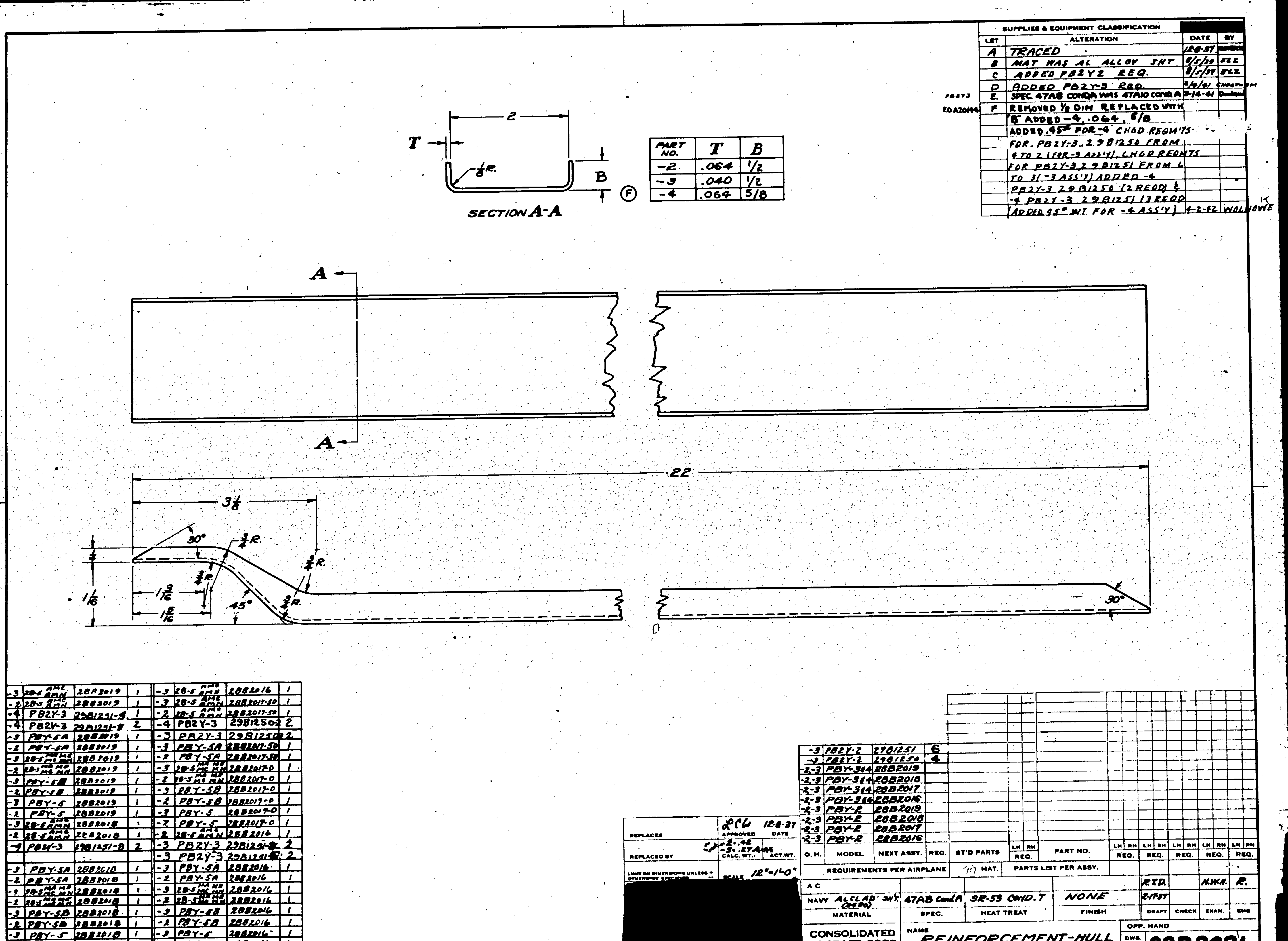


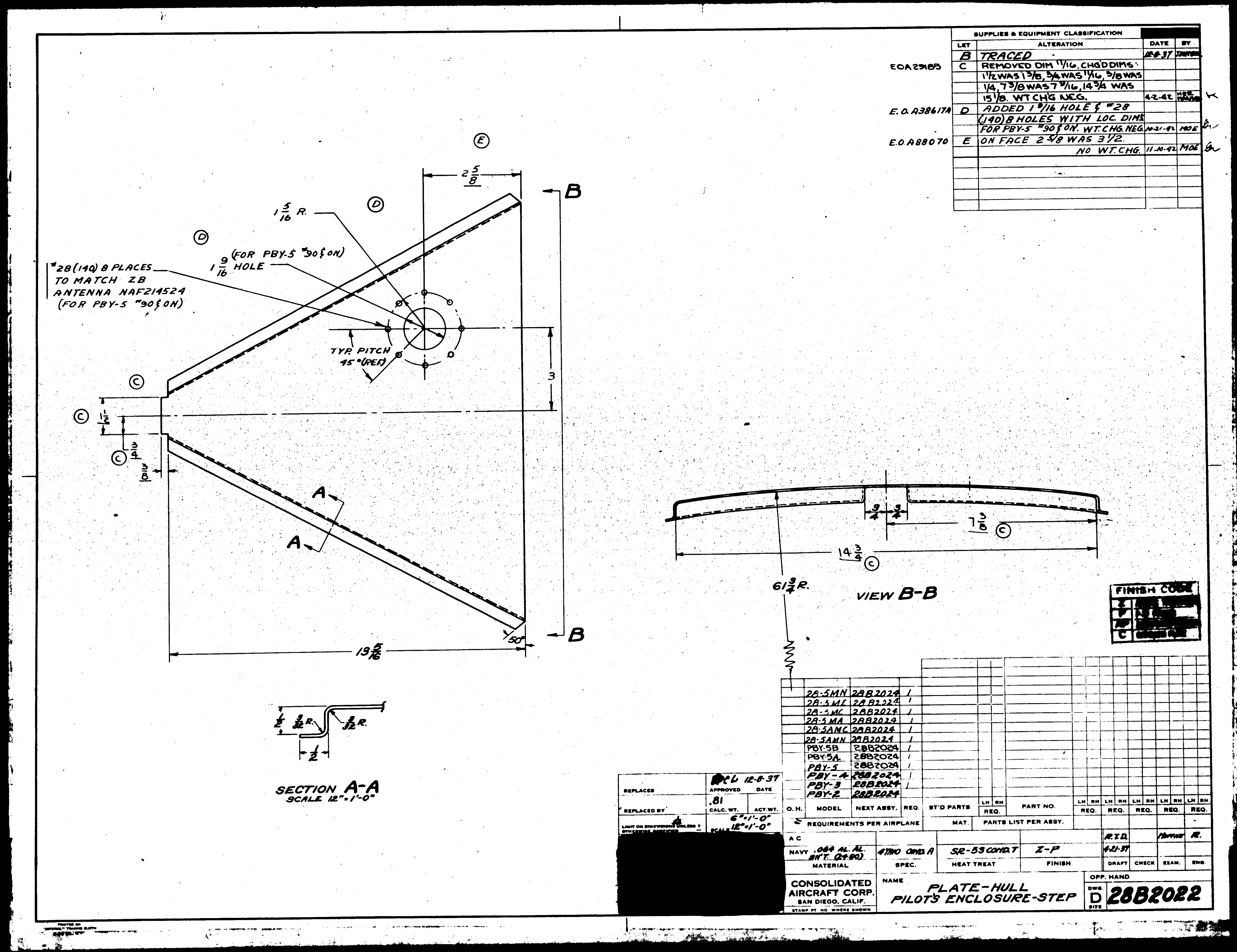
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED | 3-19-37
B | ADDED -4 REQ. | 5-14-37 | McDougal
C | -2 1 REQ PER MODEL WAS 2 REQ PER MODEL | " | "
D | ADDED B/M. | " | "
E | REMOVED B.M. ASSY. REQ. | 1-10-40 | McD
F | DIM. 2 9/16 WAS 5/16 WT. CHG NEG. | 1-13-43 | AS4112
F
2 9/16
1/64
VIEW AA
SCALE 12"=1'-0"
28 11/16
2 5/16
1/4
B
-4 OPPOSITE
-2 .064 AL. ALLOY SHEET
SPEC. 47A10 COND. T.
FINISH - Z - P.
A A
2 1/2
3/8
1/8 R
B
B
90°
61 27/32 R.
10 R.
-3 .030 ALUM. ALLOY SHEET
BULB SECTION M-707
SPEC. 47A10 COND. A
H.T. SR53 COND. T
FINISH Z-P
1 3/4
SECTION B-B
SCALE 12"=1'-0"
3/32
21/32
3/32
9/16
3/4
1/16 R
1/16
2 9/32
5 R.
1/8
1/16 R
3/4
-2 28-5MC, AMC 28B1982 1 EA.
-4 28-5MC, MA 28B1982 1 EA.
-3 28-5MC, MA 28B1982 1 EA.
-2 28-5MC, MA 28B1982 1 EA.
-4 PBY-5B 28B1982 1
-3 PBY-5B 28B1982 1
-2 PBY-5B 28B1982 1
-4 PBY-5&5A 28B1982 1EA
-3 PBY-5&5A 28B1982 1EA
-2 PBY-5&5A 28B1982 1EA
-4 PBY-4 28B1982
-3 PBY-4 28B1982
-2 PBY-4 28B1982
-4 PBY-3 28B1982 1
-4 PBY-2 28B1982 1
-4 28-5MN, AMN 28B1982 1 EA.
-4 PBY-1 28B1982 1
-3 28-5MN, AMN 28B1982 1 EA.
-3 PBY-3 28B1982 1
-2 28-5MN, AMN 28B1982 1 EA.
-2 PBY-3 28B1982 1
-4 28-5MC, AMC 28B1982 1 EA.
-3 PBY-2 28B1982 1
-3 28-5MC, AMC 28B1982 1 EA.
-2 PBY-2 28B1982 1
-3 PBY-1 28B1982 1
-2 PBY-1 28B1982 1
O.H. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
[redacted]
APPROVED 11-4-36 DATE
CALC. WT. | ACT. WT.
SCALE 6"=1'-0" 12"=1'-0"
AC
NAVY NOTED | NOTED | NOTED | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
DRAFT | CHECK | EXAM. | ENG.
10-26-36 | 3-22-37 | 10-29-36
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N. Y.
STAMP PT. No. WHERE SHOWN
NAME REINFORCEMENT-HULL-PILOTS ENCLOSURE
OPP. HAND
DWG. SIZE D 28B1980

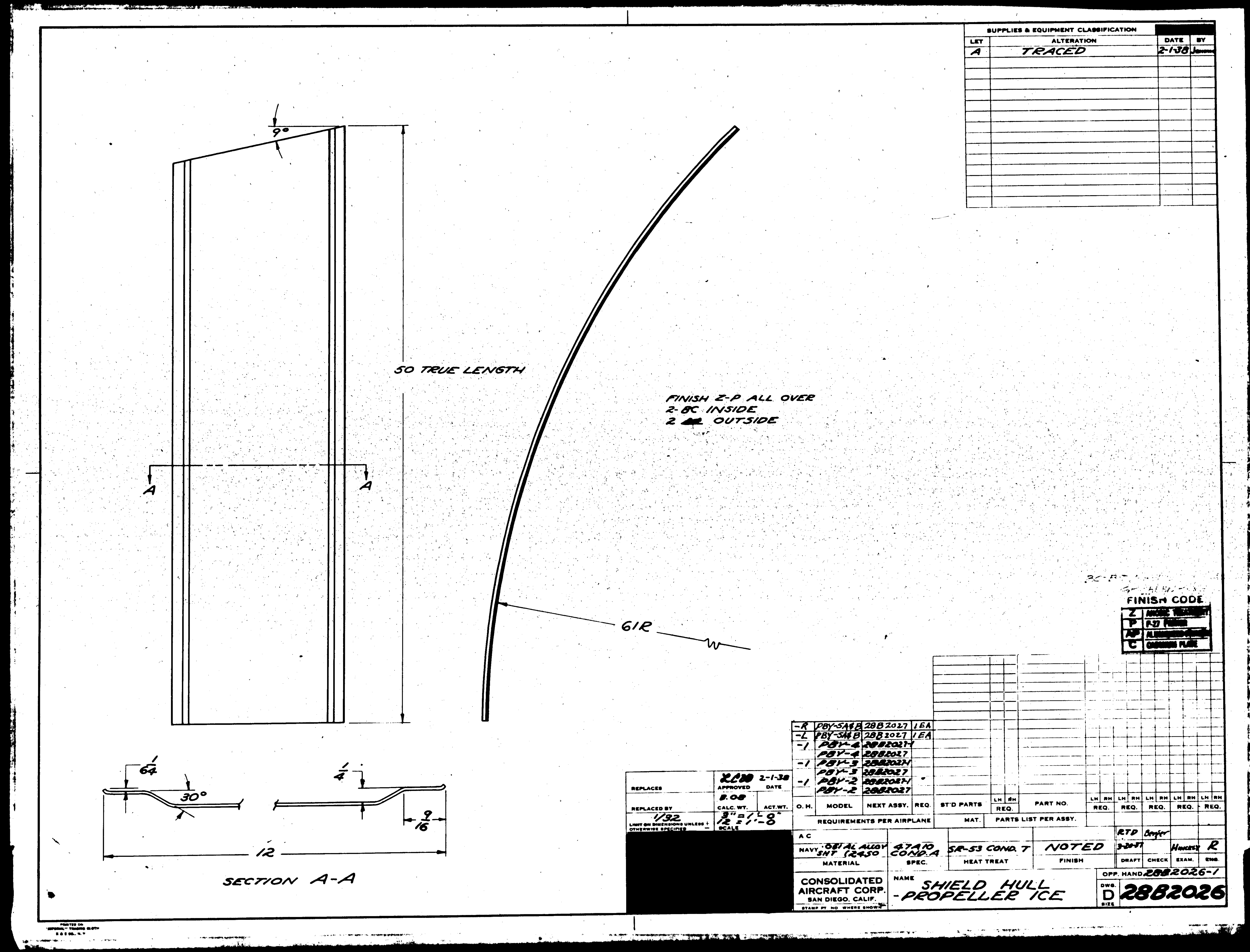

SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C | TRACED & UP TO DATE | 3-19-37 | S.D.W.
D | 28B1980-4 WAS 28B1980-2 | 5-14-37
E | ADDED 28B1980-4 REQ.
F | 28B1980-2 1 REQ. WAS 2 REQ.
G | ADDED NOTE & QTY WAS 4 ON A-N PARTS | 1-20-38
28B004-2(REF.)
28B004-3(REF.)
28B004-6(REF.)
28B004-4(REF.)
SECTION A-A
SCALE 12"=1'0"
SECTION B-B
SCALE 12"=1'0"
28B1980-2
AN442-D4
28B1980-4
AN442-D4
AN425-D4
1" SPACING
28B1980-3
AN425-D4
C'SINK BOTH SIDES
℄ HULL
AN442-D3
1" SPACING
AN3-D4
AN310-D3
AN380-B2-2
VIEW LOOKING AFT
OMIT RIVETS IN THIS
AREA ON PBY-2 ONLY
OMIT THIS HOLE & BOLT
ON PBY-4 & FUTURE.
REPLACE AT INSTALLATION
OF PELORUS DRIFT SIGHT.
NOTE: THIS INSTALLATION EFFECTIVE
ON SHIP #14 ON - PBY-1
PBY-5B | 28B2024 | 1 | AN442-D3
PBY-5A | 28B2024 | 1 | AN425-D4
PBY-4 | 28B2024 | | AN442-D4
PBY-3 | 28B2024 | 1 | AN380-B2-2 | 2 | 28B1980-4 | 1
PBY-2 | 28B2024 | 1 | AN310-D3 | 2 | 28B1980-3 | 1
PBY-1 | 28B004 | 1 | AN3-D4 | 2 | 28B1980-2 | 1
O.H. | MODEL | NEXT ASSY. | REQ. | STD PARTS | REQ. | PART NO. | LH | RH | REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
APPROVED 11-4-36 DATE
.35 CALC.WT.
ACT.WT.
SCALE 6"=1'0" 12"=1'0"
AC
NAVY NONE
MATERIAL
NONE
SPEC.
NONE
HEAT TREAT
NONE
FINISH
B.O.I.
10-26-36 3-19-37
DRAFT CHECK EXAM. ENG.
[redacted]
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
REINF. INSTALL.-HULL-
PILOTS' ENCLOSURE
OPP. HAND
DWG. SIZE D
28B1982

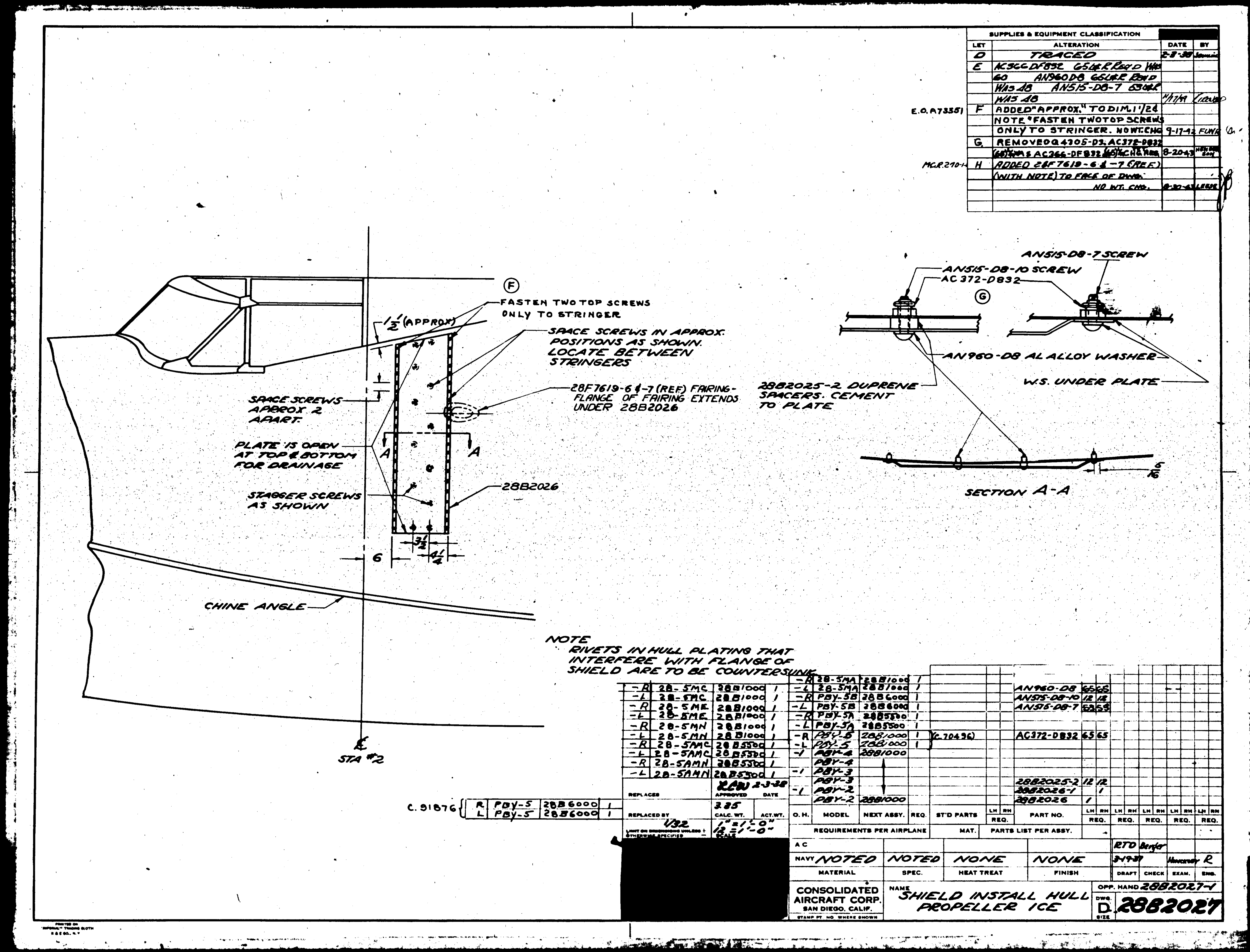


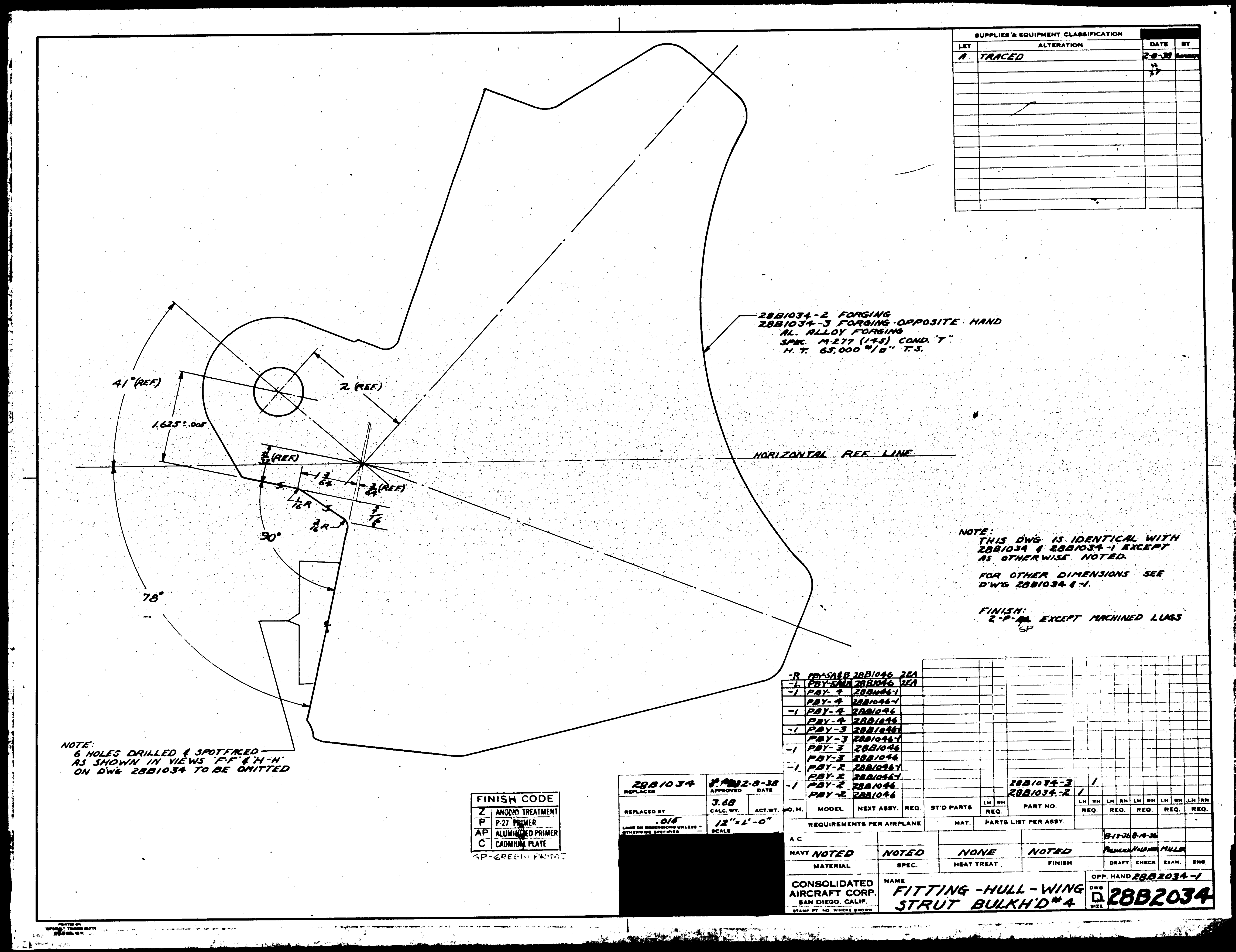
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED | 3-17-37 | RMcC
B | NOTATION ADDED | 4-28-37 | R.T.R
C | DIM. 7/16 WAS 5/16 | 8-23-37
D | NOTE WAS "DRILL 1/8 -36 HOLES" | 1-17-38
E | 28 3/32 R WAS 27 3/8 R NO WT. CHG. | 7-23-42
CO #4928
E.O. A 50154
OUTLINE OF FLAT PATTERN
19 1/8
7 1/16
5
7/16
1 29/64
1 1/4
6 29/64 R
5 9/32 R.
5 R.
5 R.
5 9/32
28 3/32
12 17/32
A
3/16 ON PBY-1
3/8 ON PBY-2 & FUTURE
1/8 R MAX.
A
1/4 R ALL CORNERS.
DEVELOPED VIEW A-A
DRILL #41(.096) 36 HOLES
ON PBY-1 & PBY-2 ONLY.
THESE HOLES NOT TO
BE DRILLED FOR PBY-3 & FUTURE
NOTE:-
MAKE FROM 28B1447. (PBY-1)
THIS DWG. APPLIES FROM SHIP #11 ON.
PBY-5 | 28B1984 | 2
PBY-5A | 28B1984 | 2
28-5MA | 28B1984 | 2
28-5MC | 28B1984 | 2
28-5ME | 28B1984 | 2
28-5MN | 28B1984 | 2
28-5AMC | 28B1984 | 2
PBY-5B | 28B1984 | 2
28-5AMN | 28B1984 | 2
PBY-4 | 28B1984-1 | 1
PBY-4 | 28B1984 | 1
PBY-3 | 28B1984-1 | 1
PBY-3 | 28B1984 | 1
PBY-2 | 28B1984-1 | 1
PBY-2 | 28B1984 | 1
PBY-1 | 28B1984-1 | 1
PBY-1 | 28B1984 | 1
REPLACES 28B1447 OF 11-27-35
APPROVED 11-5-36 DATE
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
.74 CALC. WT.
ACT. WT.
SCALE 6" = 1'-0"
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
AC
NAVY .064 AL. ALLOY SHEET (24ST)
47A10 COND. T.
NONE
NONE
MATERIAL | SPEC. | HEAT TREAT | FINISH
3-18-37 | 11-5-36
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N. Y.
STAMP PT. No. WHERE SHOWN
NAME
FRAME-HULL
MECHANICS WINDOW
OPP. HAND
DWG. SIZE D
28B1985

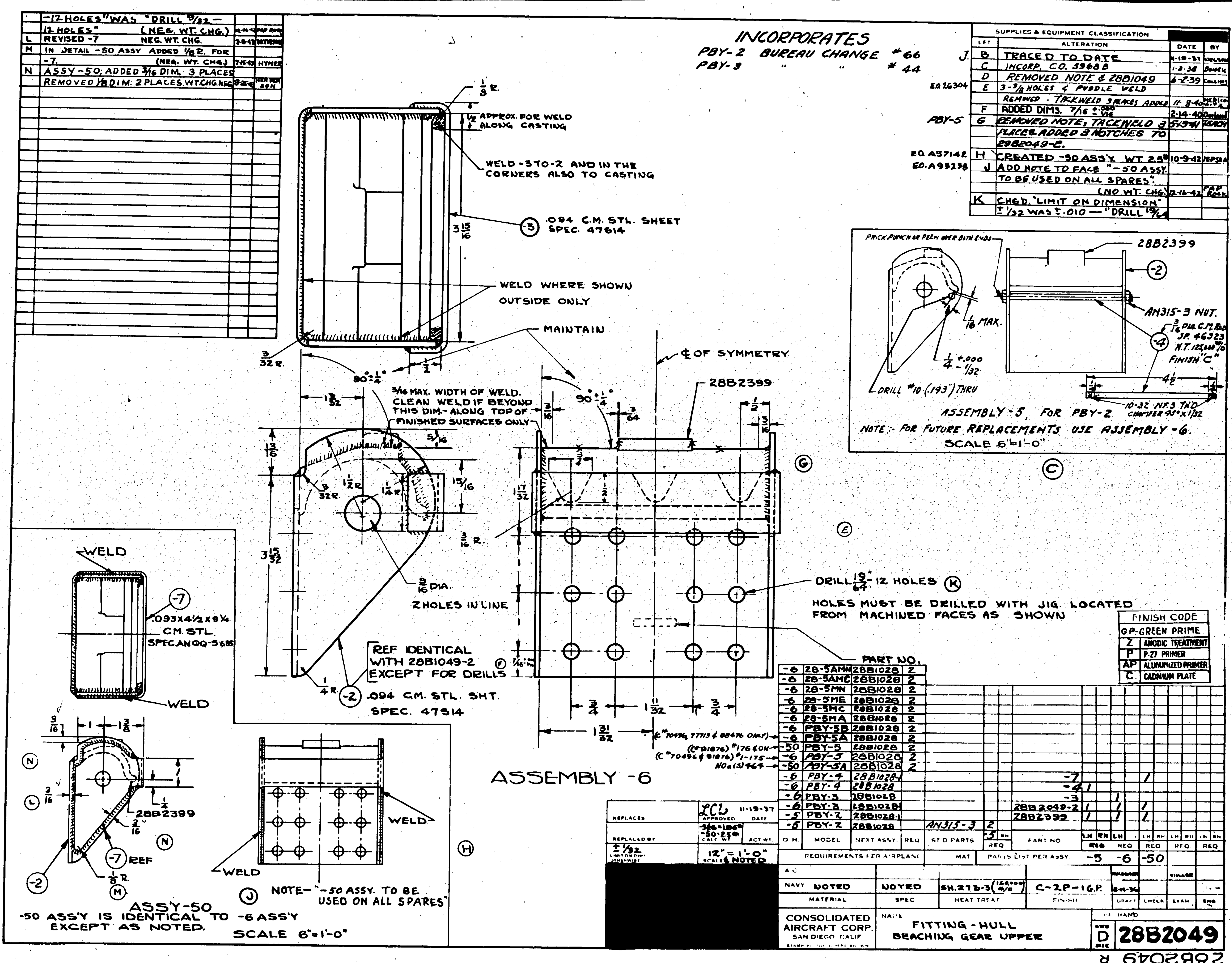

SUPPLIES & EQUIPMENT CLASSIFICATION [redacted]
LET | ALTERATION | DATE | BY
A | TRACED | 12-8-37 |
B | MAT WAS AL ALLOY SHT | 8/5/39 | ELZ
C | ADDED PB2Y2 REQ. | 8/5/39 | ELZ
D | ADDED PB2Y-3 REQ. | 2/4/41 |
E. | SPEC. 47AB COND A WAS 47A10 COND A | 3-14-41 |
PB2Y3
EO A20144
F | REMOVED ½ DIM REPLACED WITH "B" ADDED -4, .064, 5/8
ADDED .45# FOR -4 CHGD REQM'TS FOR PB2Y-3 29B1250 FROM 4 TO 2 (FOR -3 ASS'Y), CHGD REQM'TS FOR PB2Y-3 29B1251 FROM 6 TO 3 (-3 ASS'Y) ADDED -4 PB2Y-3 29B1250 (2 REQD) & -4 PB2Y-3 29B1251 (3 REQD
(ADDED 45# WT. FOR -4 ASS'Y) | 4-2-42 | WOLHOWE
K
2
T
⅛R.
B
F
SECTION A-A
PART NO. | T | B
-2 | .064 | ½
-3 | .040 | ½
-4 | .064 | 5/8
A
A
22
3⅛
30°
¾R.
¾R.
¾R.
¾R.
1 1/16
1 9/16
1 15/16
45°
30°
-3 | 28-5 AME AMN | 28B2019 | 1
-2 | 28-5 AMC AMN | 28B2019 | 1
-4 | PB2Y-3 | 29B1251-9 | 1
-4 | PB2Y-3 | 29B1251-8 | 2
-3 | PBY-5A | 28B2019 | 1
-2 | PBY-5A | 28B2019 | 1
-3 | 28-5 MA ME MC MN | 28B2019 | 1
-2 | 28-5 MA ME MC MN | 28B2019 | 1
-3 | PBY-5B | 28B2019 | 1
-2 | PBY-5B | 28B2019 | 1
-3 | PBY-5 | 28B2019 | 1
-2 | PBY-5 | 28B2019 | 1
-3 | 28-5 AME AMN | 28B2018 | 1
-2 | 28-5 AME AMN | 28B2018 | 1
-4 | PB2Y-3 | 29B1251-8 | 2
-3 | PBY-5A | 28B2018 | 1
-2 | PBY-5A | 28B2018 | 1
-3 | 28-5 MA ME MC MN | 28B2018 | 1
-2 | 28-5 MA ME MC MN | 28B2018 | 1
-3 | PBY-5B | 28B2018 | 1
-2 | PBY-5B | 28B2018 | 1
-3 | PBY-5 | 28B2018 | 1
-2 | PBY-5 | 28B2018 | 1
O.H. | MODEL | NEXT ASSY | REQ
REQUIREMENTS PER AIRPLANE
-3 | 28-5 AME AMN | 28B2016 | 1
-3 | 28-5 AME AMN | 28B2017-50 | 1
-2 | 28-5 AME AMN | 28B2017-50 | 1
-4 | PB2Y-3 | 29B1250 | 2
-3 | PB2Y-3 | 29B1250 | 2
-3 | PBY-5A | 28B2017-50 | 1
-2 | PBY-5A | 28B2017-50 | 1
-3 | 28-5 MA ME MC MN | 28B2017-0 | 1
-2 | 28-5 MA ME MC MN | 28B2017-0 | 1
-3 | PBY-5B | 28B2017-0 | 1
-2 | PBY-5B | 28B2017-0 | 1
-3 | PBY-5 | 28B2017-0 | 1
-2 | PBY-5 | 28B2017-0 | 1
-2 | 28-5 AME AMN | 28B2016 | 1
-3 | PB2Y-3 | 29B1251 | 2
-3 | PB2Y-3 | 29B1251 | 2
-3 | PBY-5A | 28B2016 | 1
-2 | PBY-5A | 28B2016 | 1
-3 | 28-5 MA ME MC MN | 28B2016 | 1
-2 | 28-5 MA ME MC MN | 28B2016 | 1
-3 | PBY-5B | 28B2016 | 1
-2 | PBY-5B | 28B2016 | 1
-3 | PBY-5 | 28B2016 | 1
-2 | PBY-5 | 28B2016 | 1
O.H. | MODEL | NEXT ASSY | REQ
REQUIREMENTS PER AIRPLANE.
PRINTED ON
-3 | PB2Y-2 | 29B1251 | 6
-3 | PB2Y-2 | 29B1250 | 4
-2,-3 | PBY-3&4 | 28B2019
-2,-3 | PBY-3&4 | 28B2018
-2,-3 | PBY-3&4 | 28B2017
-2,-3 | PBY-3&4 | 28B2016
-2,-3 | PBY-2 | 28B2019
-2,-3 | PBY-2 | 28B2018
-2,-3 | PBY-2 | 28B2017
-2,-3 | PBY-2 | 28B2016
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ. | LH RH REQ. | LH RH REQ. | LH RH REQ. | LH RH REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES
LCW | 12-8-37
APPROVED | DATE
REPLACED BY
-2: .42
-3: .27
CALC. WT. | ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
SCALE 12"=1'-0"
[redacted]
AC
NAVY ALCLAD SHT. (24SO) | 47AB Cond A | SR-53 COND. T | NONE
MATERIAL | SPEC. | HEAT TREAT | FINISH
R.T.D. | | H.W.H. | R.
2-17-37
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN
NAME REINFORCEMENT-HULL WATERTIGHT DOOR
OPP. HAND
DWG. D SIZE
28B2021


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B TRACED 12-8-37
EOA 29183 C REMOVED DIM 11/16, CHG'D DIMS: 1 1/2 WAS 1 3/8, 3/4 WAS 11/16, 3/8 WAS 1/4, 7 3/8 WAS 7 9/16, 14 3/4 WAS 15 1/8. WT CHG NEG. 4-2-42
E.O. A38617A D ADDED 1 9/16 HOLE & #28 (140) 8 HOLES WITH LOC. DIMS FOR PBY-5 #90 & ON. WT. CHG. NEG. MOE
E.O. A88070 E ON FACE 2 5/8 WAS 3 1/2. NO WT. CHG. 11-10-42 MOE
#28 (140) 8 PLACES TO MATCH ZB ANTENNA NAF214524 (FOR PBY-5 #90 & ON)
1 9/16 HOLE (FOR PBY-5 #90 & ON)
1 5/16 R.
2 5/8
TYP. PITCH 45° (REF)
3
1 1/2
13/16
13 5/16
50°
SECTION A-A
SCALE 12" = 1'-0"
VIEW B-B
7 3/8
14 3/4
61 3/4 R.
FINISH CODE
28-5MN 28B2024 1
28-5ME 28B2024 1
28-5MC 28B2024 1
28-5MA 28B2024 1
28-5AMC 28B2024 1
28-5AMN 28B2024 1
PBY-5B 28B2024 1
PBY-5A 28B2024 1
PBY-5 28B2024 1
PBY-4 28B2024 1
PBY-3 28B2024 1
PBY-2 28B2024 1
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS PART NO.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
REPLACES
REPLACED BY
APPROVED 12-8-37 DATE
.81 CALC. WT. ACT. WT.
SCALE 6" = 1'-0" 12" = 1'-0"
NAVY .064 AL. AL. SH'T. (24-SO) MATERIAL
SPEC.
SR-53 COND. T HEAT TREAT
Z-P FINISH
4-21-37 DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
NAME PLATE-HULL PILOT'S ENCLOSURE-STEP
OPP. HAND
D 28B2022

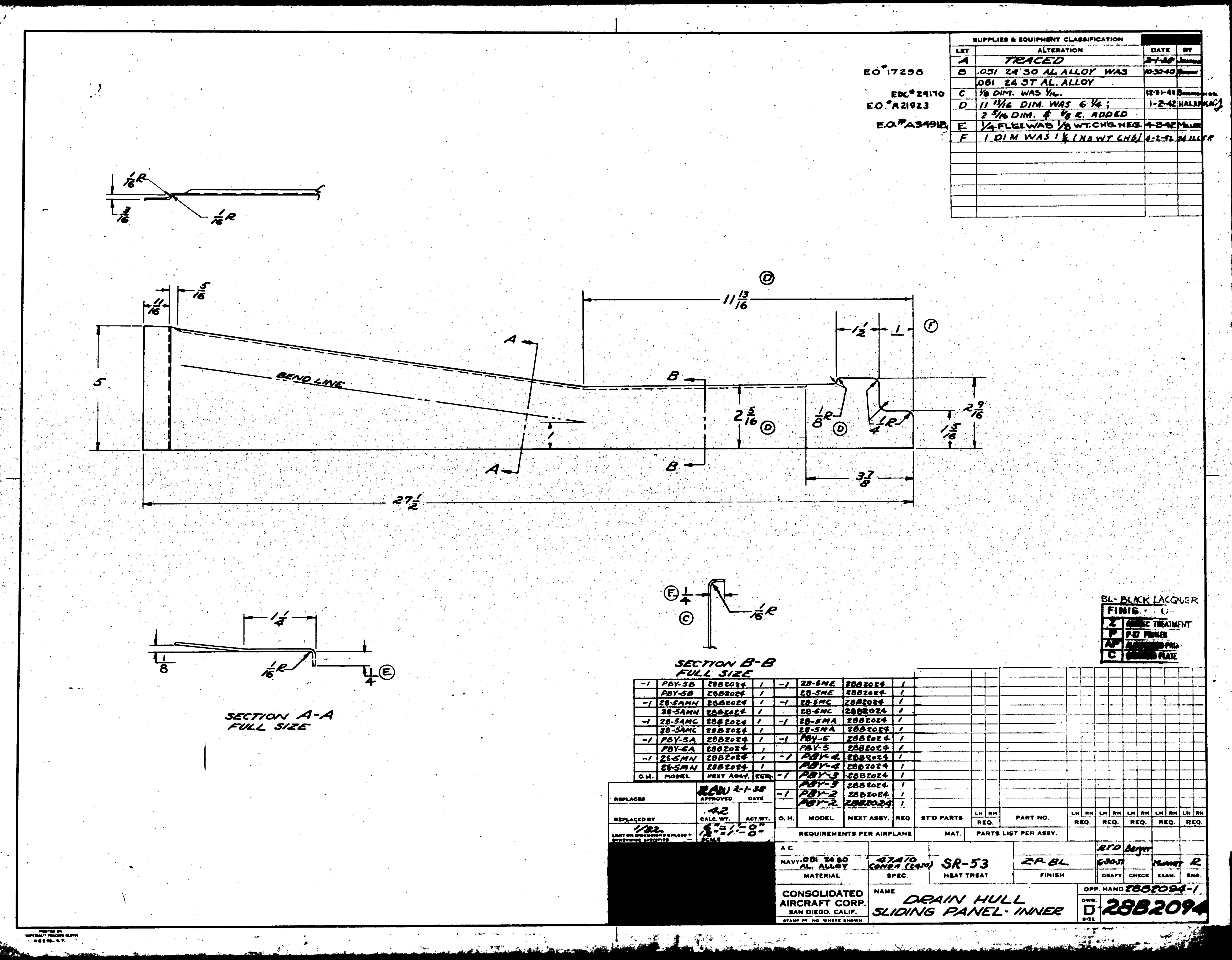

SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
A
TRACED
2-1-38
9°
50 TRUE LENGTH
A
A
FINISH Z-P ALL OVER
2-BC INSIDE
2 OUTSIDE
61R
FINISH CODE
Z
P
AP
C
1/64
30°
1/4
9/16
12
SECTION A-A
-R PBY-5A&B 28B2027 1EA
-L PBY-5A&B 28B2027 1EA
-1 PBY-4 28B2027-1
PBY-4 28B2027
-1 PBY-3 28B2027-1
PBY-3 28B2027
-1 PBY-2 28B2027-1
PBY-2 28B2027
O. H.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
ST'D PARTS
LH RH REQ.
PART NO.
MAT.
PARTS LIST PER ASSY.
REPLACES
2-1-38
APPROVED
DATE
REPLACED BY
.08
CALC. WT.
ACT. WT.
1/32
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
3" = 1'-0"
12 = 1'-0"
SCALE
[redacted]
AC
NAVY .051 AL ALLOY SHT (24SO
MATERIAL
47A10 COND. A
SPEC.
SR-53 COND. T
HEAT TREAT
NOTED
FINISH
RTD
DRAFT
CHECK
EXAM.
ENG.
R
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN
NAME
SHIELD HULL - PROPELLER ICE
OPP. HAND 28B2026-1
DWG. D SIZE
28B2026

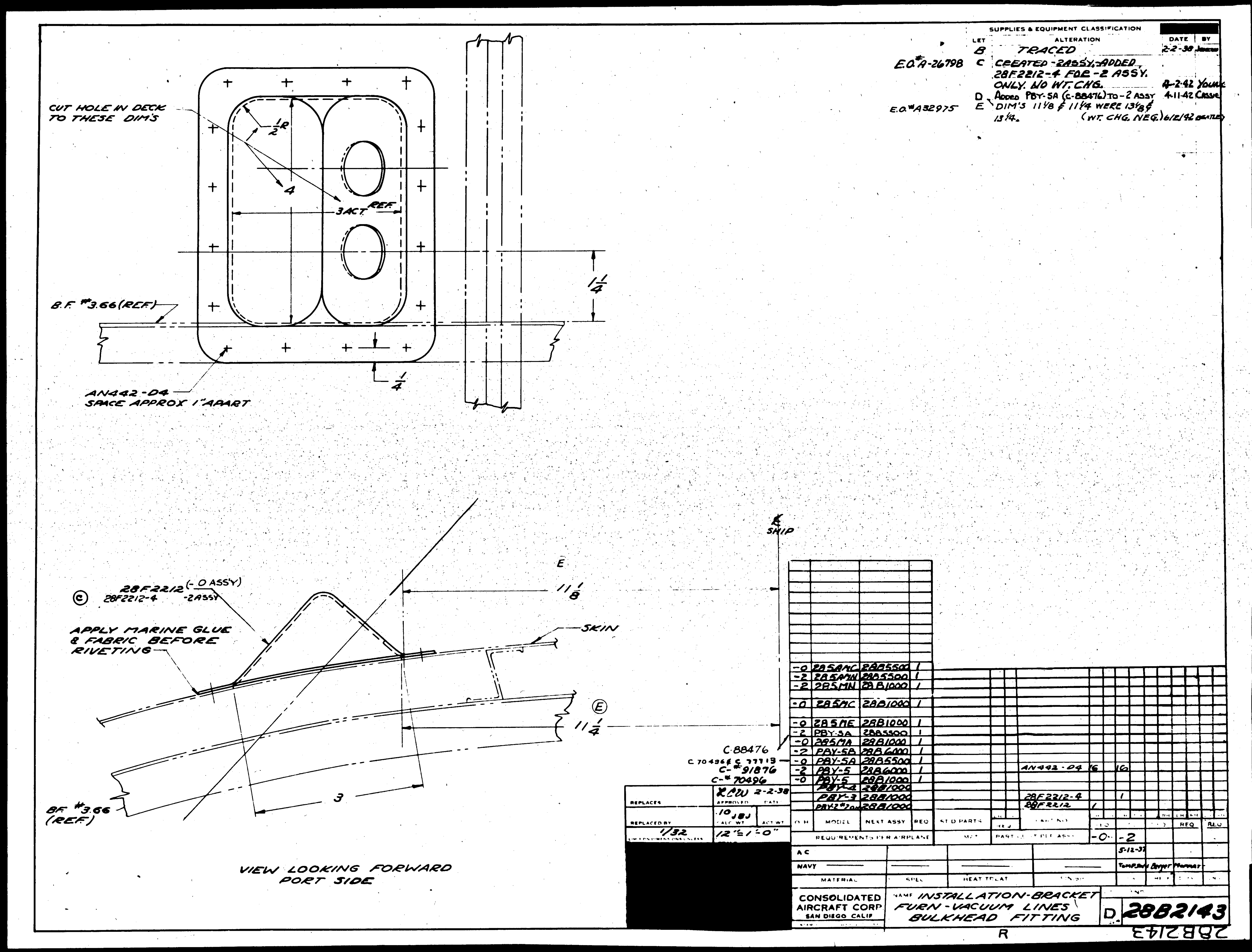

SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
D | TRACED | 2-3-38
E | AC366DF832 65L&R REQ'D WAS 60 AN960D8 65L&R REQ'D WAS 48 AN515-D8-7 53L&R WAS 48 | 11/17/39
E.O. A73351 F | ADDED "APPROX." TO DIM. 1 1/2 & NOTE "FASTEN TWO TOP SCREWS ONLY TO STRINGER. NO WT. CHG | 9-17-42
G | REMOVED Q4305-D3. AC372-D832 (65) WAS AC366-DF832 (65) CHG. REQ. | 8-20-43
MCR.270-1 H | ADDED 28F7619-6 & -7 (REF) (WITH NOTE) TO FACE OF DWG. NO WT. CHG. | 8-30-43
F
FASTEN TWO TOP SCREWS ONLY TO STRINGER
1 1/2 (APPROX)
SPACE SCREWS IN APPROX. POSITIONS AS SHOWN. LOCATE BETWEEN STRINGERS
SPACE SCREWS APPROX 2 APART
28F7619-6 & -7 (REF.) FAIRING-FLANGE OF FAIRING EXTENDS UNDER 28B2026
PLATE IS OPEN AT TOP & BOTTOM FOR DRAINAGE
A
A
STAGGER SCREWS AS SHOWN
28B2026
3 1/2
1 1/4
6
CHINE ANGLE
℄ STA #2
AN515-D8-7 SCREW
AN515-D8-10 SCREW
AC 372-D832
G
AN960-D8 AL ALLOY WASHER
W.S. UNDER PLATE
28B2025-2 DUPRENE SPACERS. CEMENT TO PLATE
5/16
SECTION A-A
NOTE
RIVETS IN HULL PLATING THAT INTERFERE WITH FLANGE OF SHIELD ARE TO BE COUNTERSUNK.
-R 28-5MC 28B1000 1
-L 28-5MC 28B1000 1
-R 28-5ME 28B1000 1
-L 28-5ME 28B1000 1
-R 28-5MN 28B1000 1
-L 28-5MN 28B1000 1
-R 28-5AMC 28B5500 1
-L 28-5AMC 28B5500 1
-R 28-5AMN 28B5500 1
-L 28-5AMN 28B5500 1
-R 28-5MA 28B1000 1
-L 28-5MA 28B1000 1
-R PBY-5B 28B6000 1
-L PBY-5B 28B6000 1
-R PBY-5A 28B5500 1
-L PBY-5A 28B5500 1
-R PBY-5 28B1000 1 (C.70496)
-L PBY-5 28B1000 1
-1 PBY-4 28B1000
PBY-4
-1 PBY-3
PBY-3
-1 PBY-2
PBY-2 28B1000
C. 91876 R PBY-5 28B6000 1
L PBY-5 28B6000 1
AN960-D8 65 65
AN515-D8-10 12 12
AN515-D8-7 53 53
AC372-D832 65 65
28B2025-2 12 12
28B2026-1 1
28B2026 1
REPLACES
APPROVED 2-3-38 DATE
REPLACED BY
CALC. WT. 3.85 ACT. WT.
1/32 LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
1" = 1'-0" 12 = 1'-0" SCALE
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT. PARTS LIST PER ASSY.
AC
NAVY NOTED NOTED NONE NONE
MATERIAL SPEC. HEAT TREAT FINISH
RTD Berger 3-19-37
DRAFT CHECK EXAM. ENG.
[redacted]
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN
NAME SHIELD INSTALL HULL PROPELLER ICE
OPP. HAND 28B2027-1
DWG. D SIZE 28B2027
PRINTED ON "IMPERIAL" TRACING CLOTH


SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
A TRACED
2-8-38
28B1034-2 FORGING
28B1034-3 FORGING-OPPOSITE HAND
AL. ALLOY FORGING
SPEC. M-277 (14S) COND. "T"
H.T. 65,000 #/□" T.S.
41° (REF.)
2 (REF.)
1.625 ± .005
HORIZONTAL REF. LINE
(REF.)
(REF.)
90°
78°
NOTE:
THIS DWG IS IDENTICAL WITH 28B1034 & 28B1034-1 EXCEPT AS OTHERWISE NOTED.
FOR OTHER DIMENSIONS SEE D'WG 28B1034 & -1.
FINISH:
Z-P-GP EXCEPT MACHINED LUGS
NOTE:
6 HOLES DRILLED & SPOTFACED AS SHOWN IN VIEWS "F-F" & "H-H" ON DWG 28B1034 TO BE OMITTED
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
GP-GREEN PRIME
28B1034
REPLACES
2-8-38
APPROVED
DATE
3.68
CALC. WT.
ACT. WT.
REPLACED BY
.016
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
12" = 1'-0"
SCALE
-R PBY-5A&B 28B1046 2EA
-L PBY-5A&B 28B1046 2EA
-1 PBY-4 28B1046-1
PBY-4 28B1046-1
-1 PBY-4 28B1046
PBY-4 28B1046
-1 PBY-3 28B1046-1
PBY-3 28B1046-1
-1 PBY-3 28B1046
PBY-3 28B1046
-1 PBY-2 28B1046-1
PBY-2 28B1046-1
-1 PBY-2 28B1046
PBY-2 28B1046
28B1034-3 1
28B1034-2 1
MODEL
NEXT ASSY.
REQ.
ST'D PARTS
PART NO.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
NAVY NOTED
NOTED
NONE
NOTED
MATERIAL
SPEC.
HEAT TREAT
FINISH
DRAFT
CHECK
EXAM.
ENG.
OPP. HAND 28B2034-1
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
STAMP PT. NO WHERE SHOWN
NAME
FITTING-HULL-WING STRUT BULKH'D #4
DWG SIZE D
28B2034

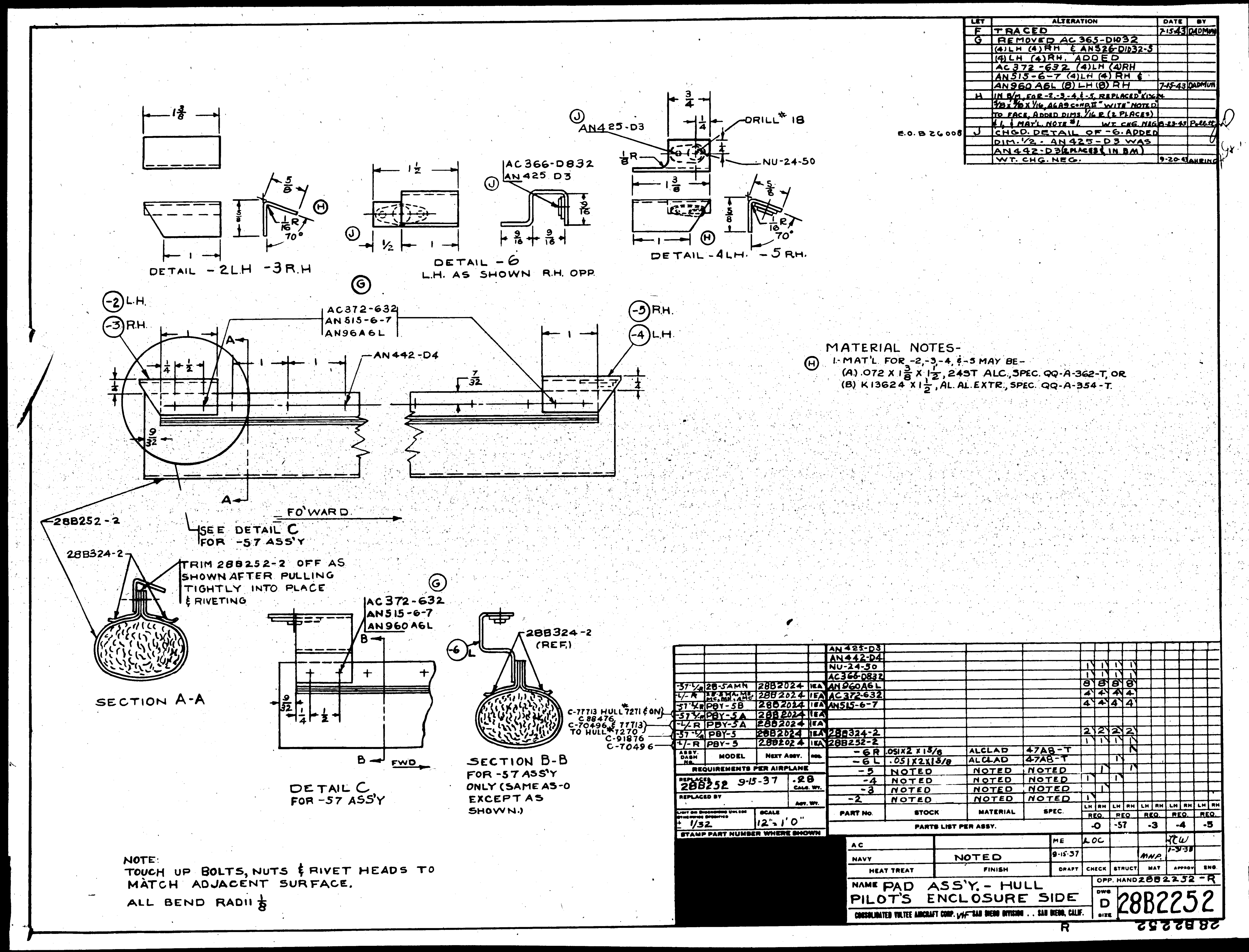


-12 HOLES" WAS "DRILL 9/32 -
12 HOLES" (NEG. WT. CHG.)
L REVISED -7 NEG. WT. CHG.
M IN DETAIL -50 ASSY ADDED 1/8 R. FOR -7. (NEG. WT. CHG.)
N ASSY -50; ADDED 3/16 DIM. 3 PLACES
REMOVED 1/8 DIM. 2 PLACES. WT. CHG. NEG.
INCORPORATES
PBY-2 BUREAU CHANGE #66
PBY-3 " " #44
SUPPLIES & EQUIPMENT CLASSIFICATION
LET ALTERATION DATE BY
B TRACED TO DATE
C INCORP. C.O. 5968 B
D REMOVED NOTE & 28B1049
E 3-3/8 HOLES & PUDDLE WELD
REMOVED - TACKWELD 3 PLACES ADDED
F ADDED DIMS. 7/16
G REMOVED NOTE; TACKWELD 3 PLACES & ADDED 3 NOTCHES TO 28B2049-2.
H CREATED -50 ASS'Y. WT. 2.5#
J ADD NOTE TO FACE "-50 ASSY. TO BE USED ON ALL SPARES". (NO WT. CHG.)
K CHGD. "LIMIT ON DIMENSION" ± 1/32 WAS ±.010 — "DRILL 19/64"
EO 26304
PBY-5
E.O. A57142
E.O. A93238
1/8 R.
1/2 APPROX. FOR WELD ALONG CASTING
WELD -3 TO -2 AND IN THE CORNERS ALSO TO CASTING
.094 C.M. STL. SHEET SPEC. 47514
WELD WHERE SHOWN OUTSIDE ONLY
MAINTAIN
3/32 R.
90° ± 1/4°
¢ OF SYMMETRY
28B2399
3/16 MAX. WIDTH OF WELD. CLEAN WELD IF BEYOND THIS DIM.- ALONG TOP OF FINISHED SURFACES ONLY
9/16 DIA.
2 HOLES IN LINE
REF IDENTICAL WITH 28B1049-2 EXCEPT FOR DRILLS
.094 C.M. STL. SHT. SPEC. 47514
DRILL 19/64" 12 HOLES
HOLES MUST BE DRILLED WITH JIG LOCATED FROM MACHINED FACES AS SHOWN
PART NO.
ASSEMBLY -6
PRICK PUNCH OR PEEN OVER BOTH ENDS
AN315-3 NUT.
3/16 DIA. C.M. ROD SP. 46323 H.T. 125,000 #/□" FINISH "C"
1/16 MAX.
DRILL #10 (.193") THRU
10-32 N.F.3 THD. CHAMFER 45° x 1/32
ASSEMBLY -5, FOR PBY-2
NOTE:- FOR FUTURE REPLACEMENTS USE ASSEMBLY -6.
SCALE 6"=1'-0"
FINISH CODE
G.P. - GREEN PRIME
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
WELD
.093 X 4 1/2 X 9 1/4 C.M. STL. SPEC. AN-QQ-S-685
28B2399
-7 REF
WELD
NOTE - "-50 ASSY. TO BE USED ON ALL SPARES"
ASS'Y-50
-50 ASS'Y IS IDENTICAL TO -6 ASS'Y EXCEPT AS NOTED.
SCALE 6"=1'-0"
-6 28-5AMN 28B1028 2
-6 28-5AMC 28B1028 2
-6 28-5MN 28B1028 2
-6 28-5ME 28B1028 2
-6 28-5MC 28B1028 2
-6 28-5MA 28B1028 2
-6 PBY-5B 28B1028 2
-6 PBY-5A 28B1028 2
-50 PBY-5 28B1028 2
-6 PBY-5 28B1028 2
-50 PBY-5A 28B1028 2
-6 PBY-4 28B1028-1
-6 PBY-4 28B1028
-6 PBY-3 28B1028
-6 PBY-3 28B1028-1
-5 PBY-2 28B1028-1
-5 PBY-2 28B1028
AN315-3 2
28B2049-2
28B2399
REPLACES
REPLACED BY
± 1/32 LIMIT ON DIMS. OTHERWISE
APPROVED 11-19-37 DATE
CALC. WT. ACT. WT.
12" = 1'-0" SCALE & NOTED
O H MODEL NEXT ASSY. REQ STD PARTS REQ PART NO REQ
REQUIREMENTS PER AIRPLANE MAT PARTS LIST PER ASSY. -5 -6 -50
NAVY NOTED NOTED SH. 27B-3 C-2P-1G.P.
MATERIAL SPEC HEAT TREAT FINISH
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF.
FITTING - HULL BEACHING GEAR UPPER
D 28B2049
28B2049 R

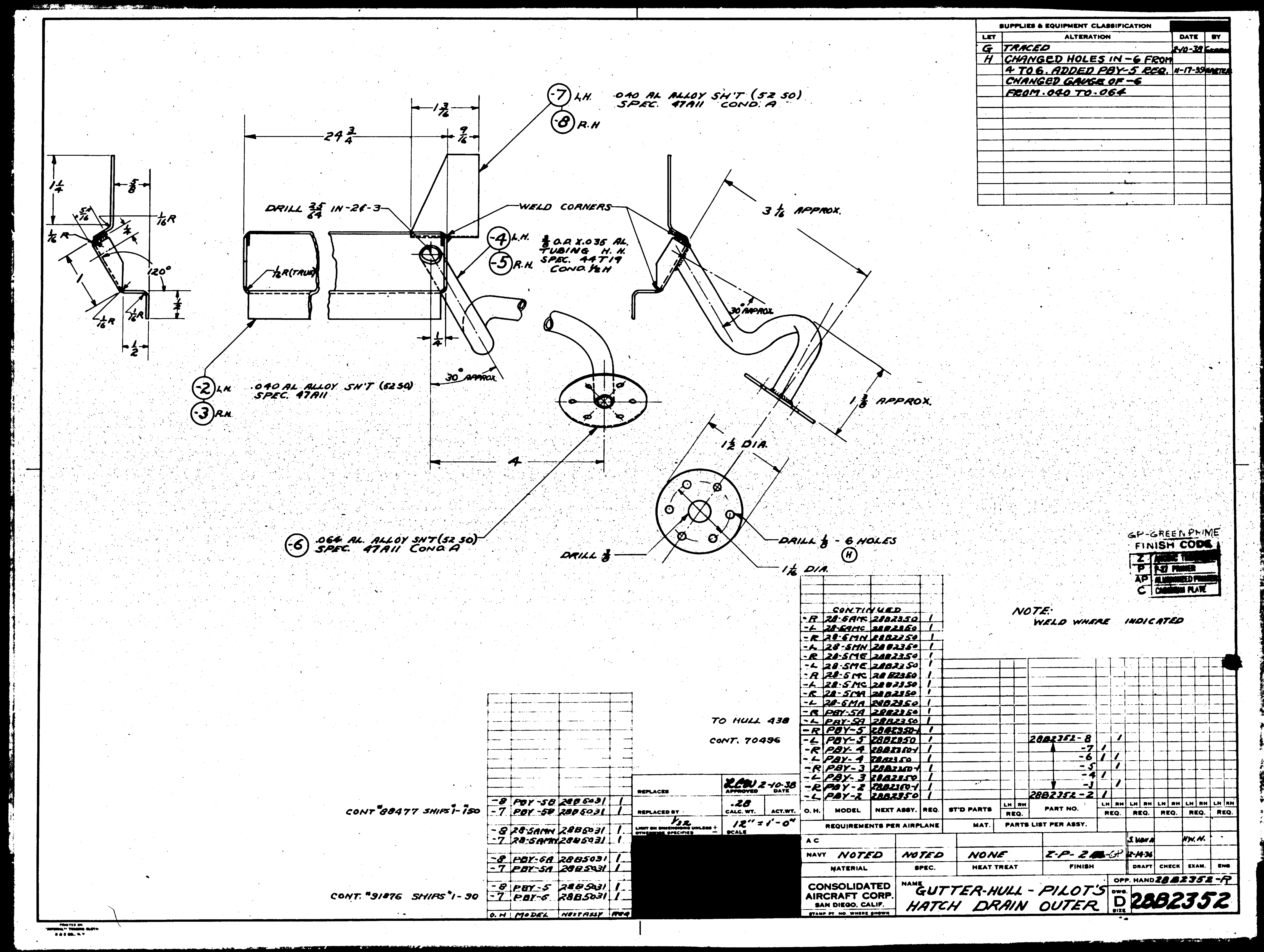

SUPPLIES & EQUIPMENT CLASSIFICATION [redacted]
LET | ALTERATION | DATE | BY
A | TRACED | 2-1-38
B | .051 24 SO AL. ALLOY WAS .051 24 ST AL. ALLOY | 10-30-40
C | 1/8 DIM. WAS 1/16. | 12-31-41
D | 11 13/16 DIM. WAS 6 1/4; 2 5/16 DIM. & 1/8 R. ADDED | 1-2-42 | HALAPKA
E | 1/4 FLGE WAS 1/8 WT. CHG NEG. | 4-2-42 | MILLER
F | 1 DIM WAS 1 1/4 (NO WT CHG) | 4-2-42 | MILLER
EO 17298
EDC 29170
E.O. A21923
E.O. A34918
1/16 R
3/16
1/16 R
11/16
5/16
11 13/16
1 1/2
1
5
BEND LINE
A
A
B
B
2 5/16
1/8 R
1/4 R
2 9/16
1 5/16
1
3 7/8
27 1/2
1 1/4
1/8
1/16 R
1/4
SECTION A-A FULL SIZE
1/4
1/16 R
SECTION B-B FULL SIZE
BL-BLACK LACQUER
FINISH
Z ANODIC TREATMENT
P P-27 PRIMER
AP
C
O.H. | MODEL | NEXT ASSY. | REQ.
-1 | PBY-5B | 28B2024 | 1 | -1 | 28-5ME | 28B2024 | 1
PBY-5B | 28B2024 | 1 | 28-5ME | 28B2024 | 1
-1 | 28-5AMN | 28B2024 | 1 | -1 | 28-5MC | 28B2024 | 1
28-5AMN | 28B2024 | 1 | 28-5MC | 28B2024 | 1
-1 | 28-5AMC | 28B2024 | 1 | -1 | 28-5MA | 28B2024 | 1
28-5AMC | 28B2024 | 1 | 28-5MA | 28B2024 | 1
-1 | PBY-5A | 28B2024 | 1 | -1 | PBY-5 | 28B2024 | 1
PBY-5A | 28B2024 | 1 | PBY-5 | 28B2024 | 1
-1 | 28-5MN | 28B2024 | 1 | -1 | PBY-4 | 28B2024 | 1
28-5MN | 28B2024 | 1 | PBY-4 | 28B2024 | 1
-1 | PBY-3 | 28B2024 | 1
PBY-3 | 28B2024 | 1
-1 | PBY-2 | 28B2024 | 1
PBY-2 | 28B2024 | 1
REQUIREMENTS PER AIRPLANE
ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
MAT. | PARTS LIST PER ASSY.
REPLACES
2-1-38 APPROVED DATE
REPLACED BY
.42 CALC. WT. ACT. WT.
1/32 LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
6" = 1'-0" 12" = 1'-0" SCALE
[redacted]
AC
NAVY .051 24 SO AL. ALLOY MATERIAL
47A10 CONDA (2410) SPEC.
SR-53 HEAT TREAT
Z-P-BL FINISH
RTD Berger
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN
NAME DRAIN HULL SLIDING PANEL-INNER
OPP. HAND 28B2094-1
DWG. D SIZE 28B2094



SUPPLIES & EQUIPMENT CLASSIFICATION
[redacted]
LET
ALTERATION
DATE
BY
B TRACED 2-2-38
E.O.#A-26798 C CREATED -2ASSY, ADDED 28F2212-4 FOR -2 ASSY. ONLY. NO WT. CHG. 4-2-42 Young
D Added PBY-5A (C-88476) TO -2 ASSY 4-11-42
E.O.#A32975 E DIM'S 11 1/8 & 11 1/4 WERE 13 1/8 & 13 1/4. (WT. CHG. NEG.) 6/12/42
CUT HOLE IN DECK TO THESE DIM'S
1/2 R
4
3 ACT REF.
1 1/4
B.F. #3.66 (REF.)
1/4
AN442-D4 SPACE APPROX 1" APART
℄ SHIP
E
11 1/8
28F2212 (-0 ASSY)
28F2212-4 -2ASSY
APPLY MARINE GLUE & FABRIC BEFORE RIVETING
SKIN
11 1/4
3
BF #3.66 (REF.)
VIEW LOOKING FORWARD PORT SIDE
C-88476
C 70496 & C 77719
C-#91876
C-#70496
-0 28SAMC 28B5500 1
-2 28SAMN 28B5500 1
-2 28SMN 28B1000 1
-0 28SMC 28B1000 1
-0 28SME 28B1000 1
-2 PBY-5A 28B5500 1
-0 28SMA 28B1000 1
-2 PBY-5B 28B6000 1
-0 PBY-5A 28B5500 1
-2 PBY-5 28B6000 1
-0 PBY-5 28B1000 1
PBY-4 28B1000
PBY-3 28B1000
PBY-2 #2on 28B1000
AN442-04 16 16
28F2212-4 1
28F2212 1
D.H. MODEL NEXT ASSY REQ
REQUIREMENTS PER AIRPLANE
STD PARTS
PART NO
REQ
-0 -2
REPLACES
REPLACED BY
APPROVED
DATE
CALC WT
ACT WT
2-2-38
.10 JBJ
1/32
12"=1'-0"
[redacted]
5-12-37
AC
NAVY
MATERIAL
SPEC
HEAT TREAT
FINISH
CONSOLIDATED AIRCRAFT CORP SAN DIEGO CALIF
NAME INSTALLATION-BRACKET FURN-VACUUM LINES BULKHEAD FITTING
D 28B2143
R
28B2143



LET | ALTERATION | DATE | BY
F | TRACED | 7-15-43 | DADMUN
G | REMOVED AC 365-D1032 (4) LH (4) RH & AN526-D1032-5 (4) LH (4) RH. ADDED AC 372-632 (4) LH (4) RH AN515-6-7 (4) LH (4) RH & AN960 A6L (8) LH (8) RH | 7-15-43 | DADMUN
H | IN B/M, FOR -2,-3,-4, & -5, REPLACED K13624 1/8 x 1/8 x 1/16, AC AS CONF II "WITH" NOTED TO FACE, ADDED DIMS. 1/16 R (2 PLACES) & 1, & MAT'L. NOTE #1. WT. CHG. NEG.
E.O. B 26008 | J | CHGD. DETAIL OF -6. ADDED DIM. 1/2. AN425-D3 WAS AN442-D3 (2 PLACES) (IN BM) WT. CHG. NEG. | 9-20-43
DETAIL -2 L.H -3 R.H
DETAIL -6
L.H. AS SHOWN R.H. OPP.
AC366-D832
AN425 D3
AN425-D3
DRILL # 18
NU-24-50
DETAIL -4 LH. -5 RH.
-2 L.H.
-3 R.H.
AC372-632
AN515-6-7
AN96A6L
AN442-D4
-5 R.H.
-4 L.H.
MATERIAL NOTES-
1- MAT'L. FOR -2,-3,-4, & -5 MAY BE-
(A) .072 X 1 3/8 X 1 1/2, 24ST ALC., SPEC. QQ-A-362-T, OR
(B) K13624 X 1 1/2, AL. AL. EXTR., SPEC. QQ-A-354-T.
28B252-2
SEE DETAIL C FOR -57 ASS'Y
FO'WARD
28B324-2
TRIM 28B252-2 OFF AS SHOWN AFTER PULLING TIGHTLY INTO PLACE & RIVETING
SECTION A-A
AC372-632
AN515-6-7
AN960A6L
DETAIL C
FOR -57 ASS'Y
FWD
-6 L
28B324-2 (REF.)
SECTION B-B
FOR -57 ASS'Y ONLY (SAME AS -0 EXCEPT AS SHOWN.)
C-77713 HULL 7271 (ON)
C 88476
C-70496 & 77713
TO HULL 7270
C-91876
C-70496
-57-L/R | 28-5AMN | 28B2024 | 1EA
-L/-R | 28-5MA, ME, MC, MP, AMC | 28B2024 | 1EA
-57-L/R | PBY-5B | 28B2024 | 1EA
-57-L/R | PBY-5A | 28B2024 | 1EA
-L/-R | PBY-5A | 28B2024 | 1EA
-57-L/R | PBY-5 | 28B2024 | 1EA
-L/-R | PBY-5 | 28B2024 | 1EA
ASSY. DASH No. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES 28B252 9-15-37 | .28 CALC. WT.
REPLACED BY | ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 | SCALE 12" = 1'0"
STAMP PART NUMBER WHERE SHOWN
AN425-D3
AN442-D4
NU-24-50 | 1 | 1 | 1 | 1
AC366-D832 | 1 | 1 | 1 | 1
AN960A6L | 8 | 8 | 8 | 8
AC372-632 | 4 | 4 | 4 | 4
AN515-6-7 | 4 | 4 | 4 | 4
28B324-2 | 2 | 2 | 2 | 2
28B252-2 | 1 | 1 | 1 | 1
-6R | .051X2 X 1 5/8 | ALCLAD | 47A8-T
-6L | .051X2X1 5/8 | ALCLAD | 47A8-T
-5 | NOTED | NOTED | NOTED
-4 | NOTED | NOTED | NOTED
-3 | NOTED | NOTED | NOTED
-2 | NOTED | NOTED | NOTED
PART No. | STOCK | MATERIAL | SPEC. | LH RH REQ. -0 | LH RH REQ. -57 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY
HEAT TREAT | NOTED FINISH
ME 9-15-37 DRAFT | LOC CHECK | STRUCT | MNP. MAT | RCW 1-3-38 APPROV | ENG.
OPP. HAND 28B2252-R
NAME PAD ASS'Y. - HULL PILOT'S ENCLOSURE SIDE
D SIZE | DWG 28B2252
CONSOLIDATED VULTEE AIRCRAFT CORP. VF SAN DIEGO DIVISION . . SAN DIEGO, CALIF.
NOTE:
TOUCH UP BOLTS, NUTS & RIVET HEADS TO MATCH ADJACENT SURFACE.
ALL BEND RADII 1/8
R
28B2252



SUPPLIES & EQUIPMENT CLASSIFICATION [redacted]
LET | ALTERATION | DATE | BY
G TRACED 2-10-39
H CHANGED HOLES IN -6 FROM 4 TO 6. ADDED PBY-5 REQ. CHANGED GAUGE OF -6 FROM .040 TO .064 11-17-39
-7 L.H. -8 R.H. .040 AL ALLOY SH'T (52 50) SPEC. 47A11 COND. A
24 3/4
1 3/16
9/16
1 1/4
5/8
1/16 R
120°
DRILL 35/64 IN -2&-3
WELD CORNERS
-4 L.H. -5 R.H. 3/8 O.D. X .035 AL. TUBING H.H. SPEC. 44T19 COND. 1/2 H
1/2 R (TRUE)
3 1/16 APPROX.
30° APPROX.
1 3/8 APPROX.
-2 L.H. -3 R.H. .040 AL ALLOY SH'T (52 50) SPEC. 47A11
4
1 1/2 DIA.
-6 .064 AL. ALLOY SH'T (52 50) SPEC. 47A11 COND. A
DRILL 3/8
DRILL 1/8 - 6 HOLES (H)
1 1/16 DIA.
GP-GREEN PRIME
FINISH CODE
Z P AP C
P-27 PRIMER
CADMIUM PLATE
NOTE: WELD WHERE INDICATED
CONTINUED
-R 28-5AMC 28B2350 1
-L 28-5AMC 28B2350 1
-R 28-5MN 28B2350 1
-L 28-5MN 28B2350 1
-R 28-5ME 28B2350 1
-L 28-5ME 28B2350 1
-R 28-5MC 28B2350 1
-L 28-5MC 28B2350 1
-R 28-5MA 28B2350 1
-L 28-5MA 28B2350 1
-R PBY-5A 28B2350 1
-L PBY-5A 28B2350 1
-R PBY-5 28B2350-1 1
-L PBY-5 28B2350 1
-R PBY-4 28B2350-1 1
-L PBY-4 28B2350 1
-R PBY-3 28B2350-1 1
-L PBY-3 28B2350 1
-R PBY-2 28B2350-1 1
-L PBY-2 28B2350 1
TO HULL 438
CONT. 70496
28B2352-8 1
-7 1
-6 1 1
-5 1
-4 1
-3 1
28B2352-2 1
CONT. #88477 SHIPS #1-150
-8 PBY-5B 28B5031 1
-7 PBY-5B 28B5031 1
-8 28-5AMN 28B5031 1
-7 28-5AMN 28B5031 1
-8 PBY-6A 28B5031 1
-7 PBY-5A 28B5031 1
CONT. #91876 SHIPS #1-90
-8 PBY-5 28B5031 1
-7 PBY-6 28B5031 1
O.H. MODEL NEXT ASSY REQ
REPLACES
REPLACED BY
APPROVED 2-10-38 DATE
.28 CALC. WT. ACT. WT.
1/32 LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
12" = 1'-0" SCALE
[redacted]
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
NAVY NOTED NOTED NONE Z-P-2
MATERIAL SPEC. HEAT TREAT FINISH
DRAFT CHECK EXAM. ENG
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
NAME GUTTER-HULL - PILOT'S HATCH DRAIN OUTER
OPP. HAND 28B2352-R
DWG. D SIZE 28B2352

SUPPLIES & EQUIPMENT CLASSIFICATION	[redacted]		
LET	ALTERATION	DATE	BY
A	TRACED	2-2-38	Jenner
B	MATERIAL WAS 24ST (COND. T)	10-30-40	DON

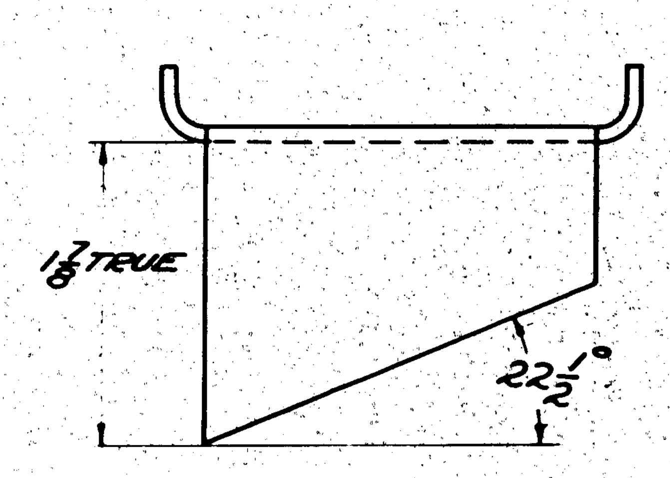
E.O. 20098

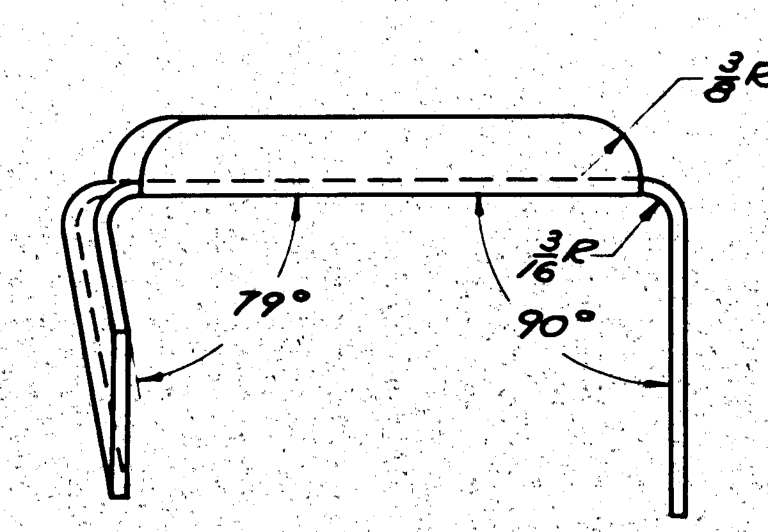
$3\frac{21}{32}$

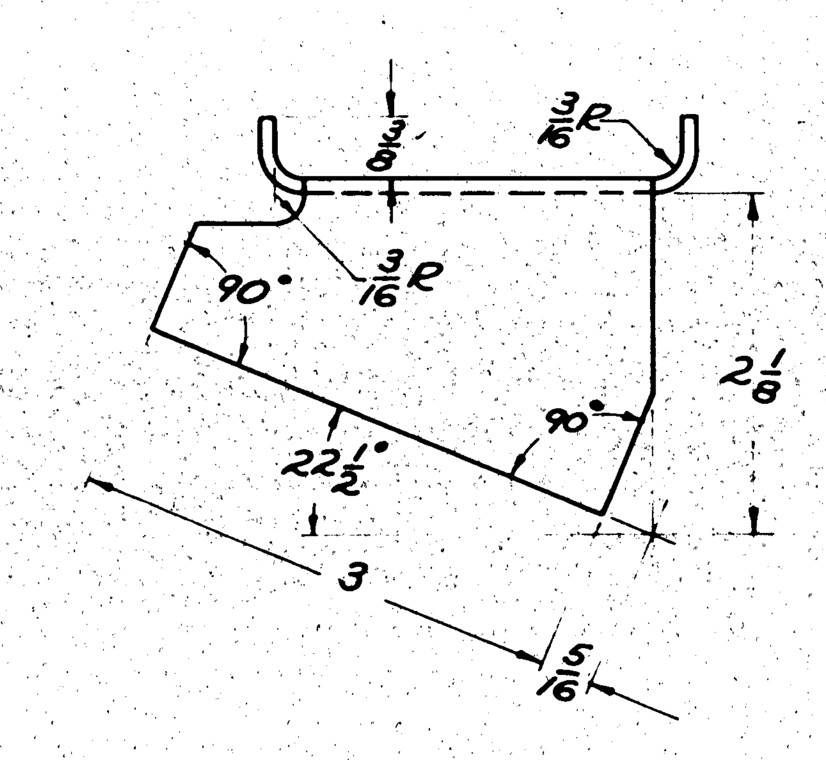
$\frac{3}{16}$R

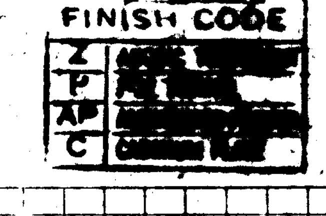
$2\frac{1}{2}$

$3\frac{7}{16}$









O.H.	MODEL	NEXT ASSY.	REQ
-R	PBY-5A&B	28B2650	1EA
-L	PBY-5A&B	28B2650	1EA
-1	PBY-5	28B2650	
	PBY-5	28B2650	
-1	PBY-4	28B2650	
	PBY-4		
-1	PBY-3		
	PBY-3		
-1	PBY-2		
	PBY-2	28B2650	

REQUIREMENTS PER AIRPLANE

ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.	LH REQ.	RH REQ.	LH REQ.	RH REQ.	LH REQ.	RH REQ.	LH REQ.	RH REQ.

MAT. | PARTS LIST PER ASSY.

REPLACES	APPROVED: LCB 2-2-38	DATE
REPLACED BY	CALC. WT.: .23	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	SCALE: 12" = 1'-0"	

[redacted]

MATERIAL	SPEC.	HEAT TREAT	FINISH	DRAFT	CHECK	EXAM.	ENG.
AC				BQ1	Berger		
NAVY 24T AL. ALLOY SHEET (.2430)	24 ST COND A	SR-53	Z-P	32237		Hennessy	R

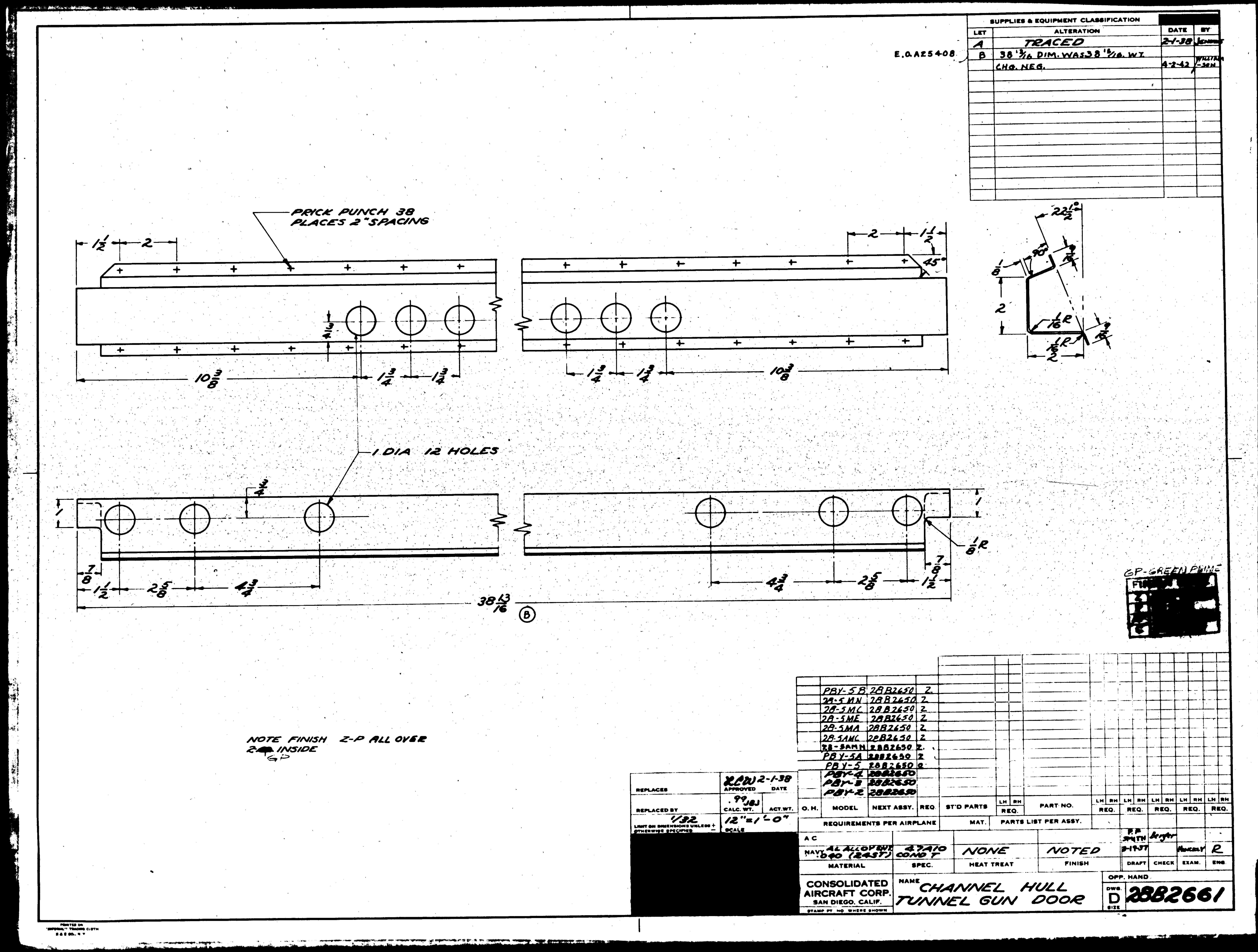
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN

NAME: BRACKET-HULL TUNNEL GUN DOOR FEMALE HINGE

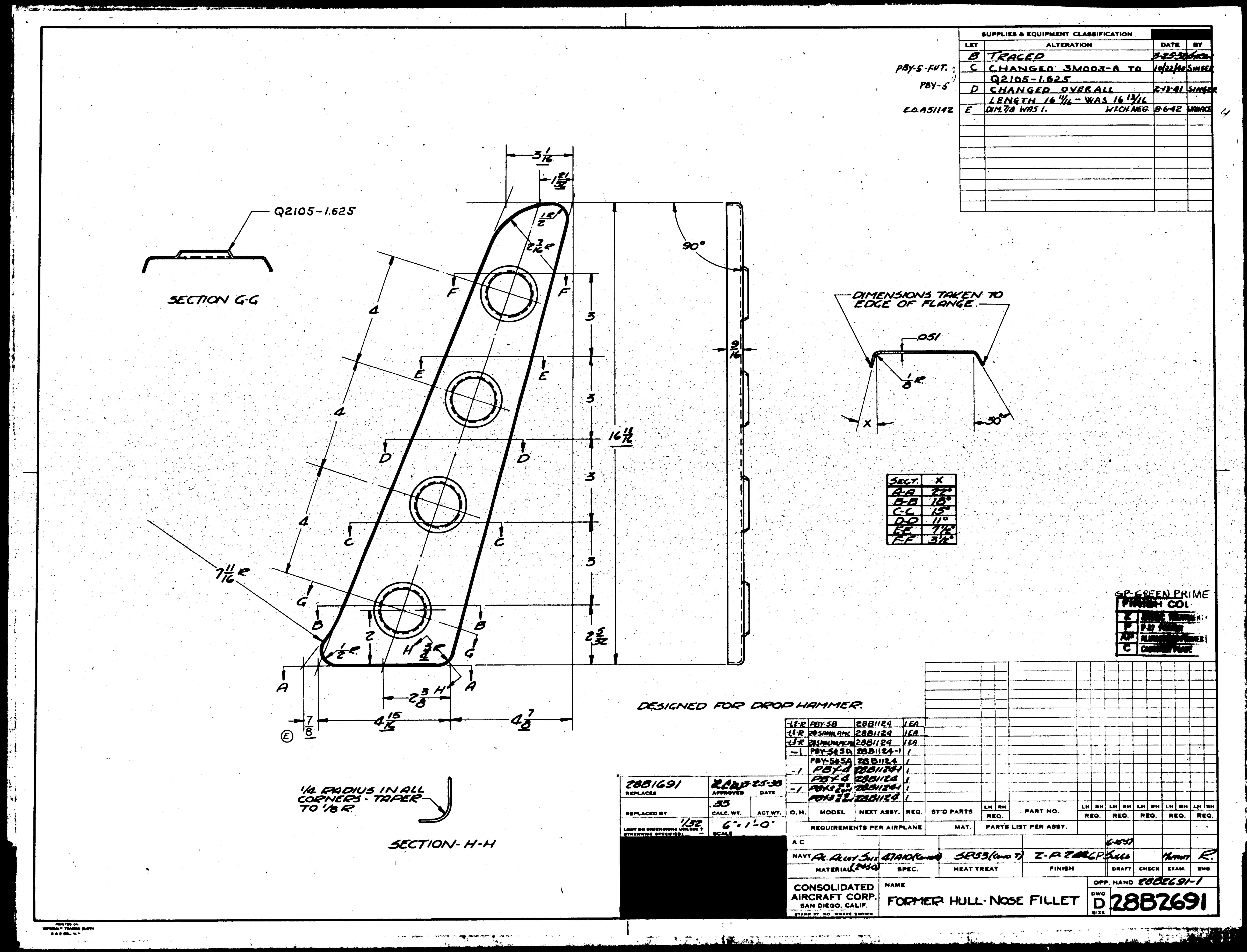
OPP. HAND 28B2659-1

DWG. SIZE D 28B2659

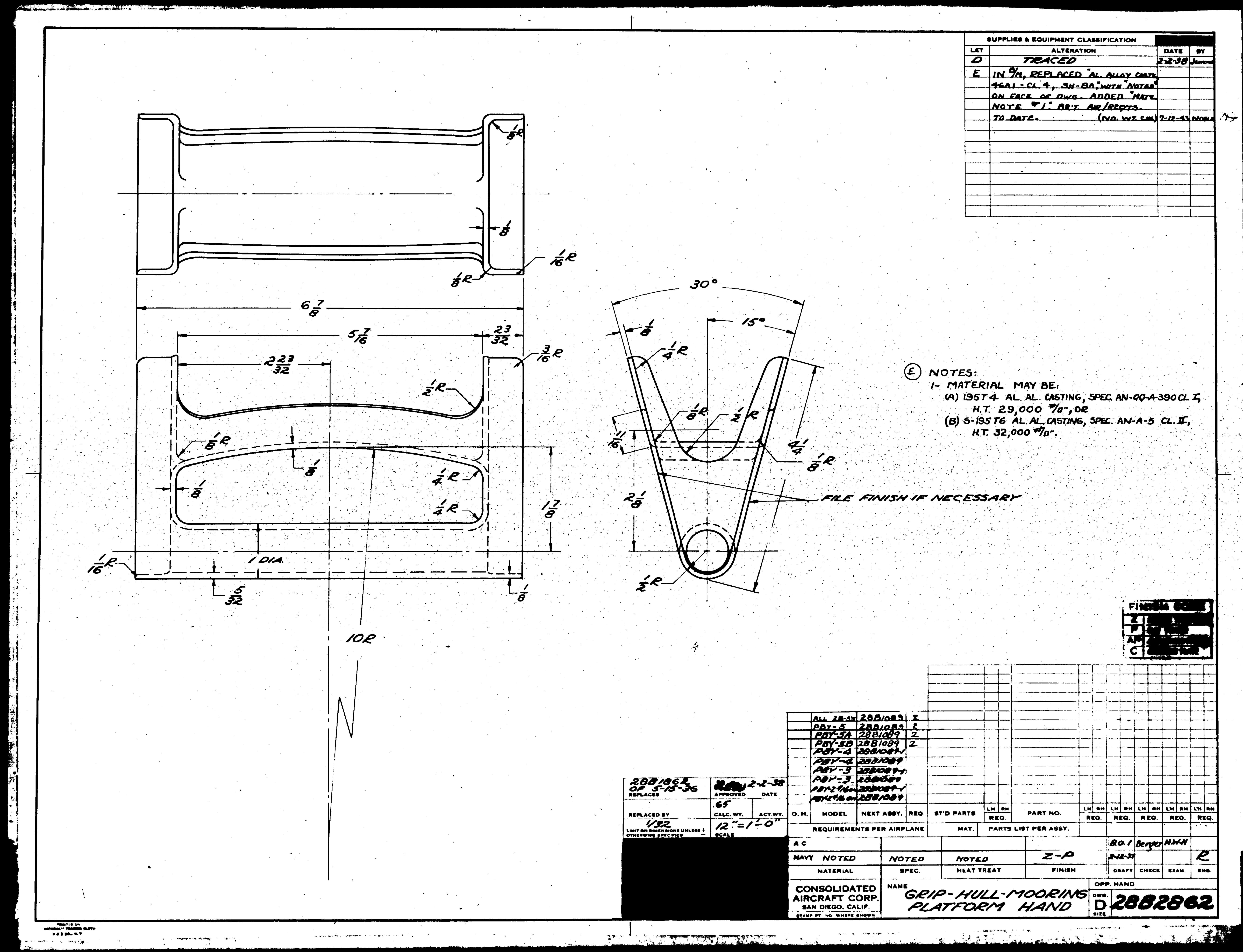
PRINTED ON "IMPERIAL" TRACING CLOTH

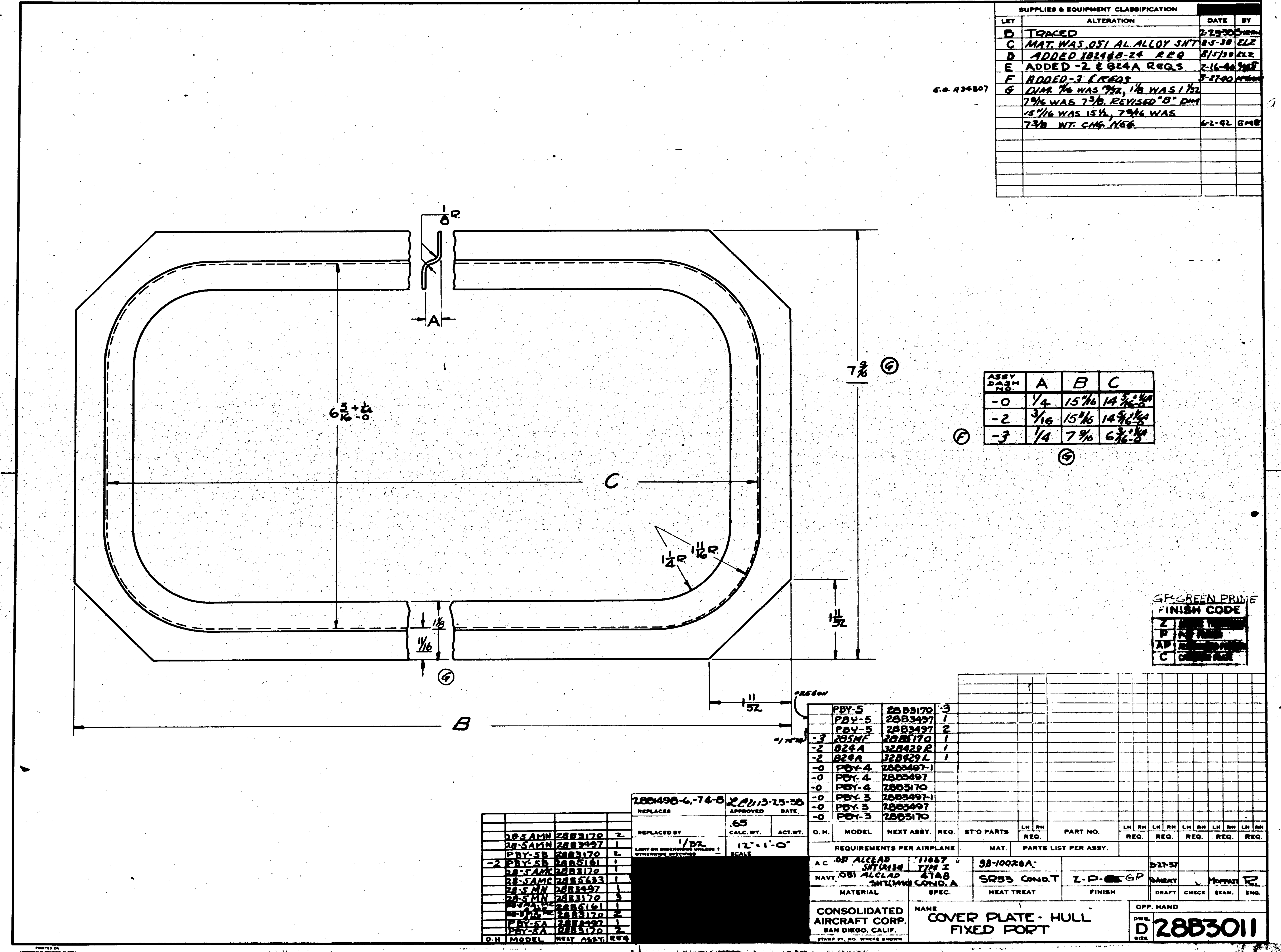


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED | 2-1-38
B | 38 13/16 DIM. WAS 38 15/16. WT. CHG. NEG. | 4-2-42
E.O.A25408
PRICK PUNCH 38 PLACES 2" SPACING
1 DIA 12 HOLES
38 13/16 (B)
GP-GREEN PRIME
NOTE FINISH Z-P ALL OVER
INSIDE
GP
PBY-5B 28B2650 2
28-5MN 28B2650 2
28-5MC 28B2650 2
28-5ME 28B2650 2
28-5MA 28B2650 2
28-5AMC 28B2650 2
28-5AMN 28B2650 2
PBY-5A 28B2650 2
PBY-5 28B2650 2
PBY-4 28B2650
PBY-3 28B2650
PBY-2 28B2650
REPLACES
APPROVED 2-1-38 DATE
REPLACED BY
CALC. WT. .99 ACT. WT.
1/32 LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
12" = 1'-0" SCALE
O. H. MODEL NEXT ASSY. REQ. ST'D PARTS REQ. PART NO. REQ.
REQUIREMENTS PER AIRPLANE
MAT. PARTS LIST PER ASSY.
AC
NAVY AL ALLOY EQUIV. .040 (24ST)
MATERIAL
47A10 COND T
SPEC.
NONE
HEAT TREAT
NOTED
FINISH
DRAFT CHECK EXAM. ENG.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN
NAME CHANNEL HULL TUNNEL GUN DOOR
DWG. SIZE D
28B2661



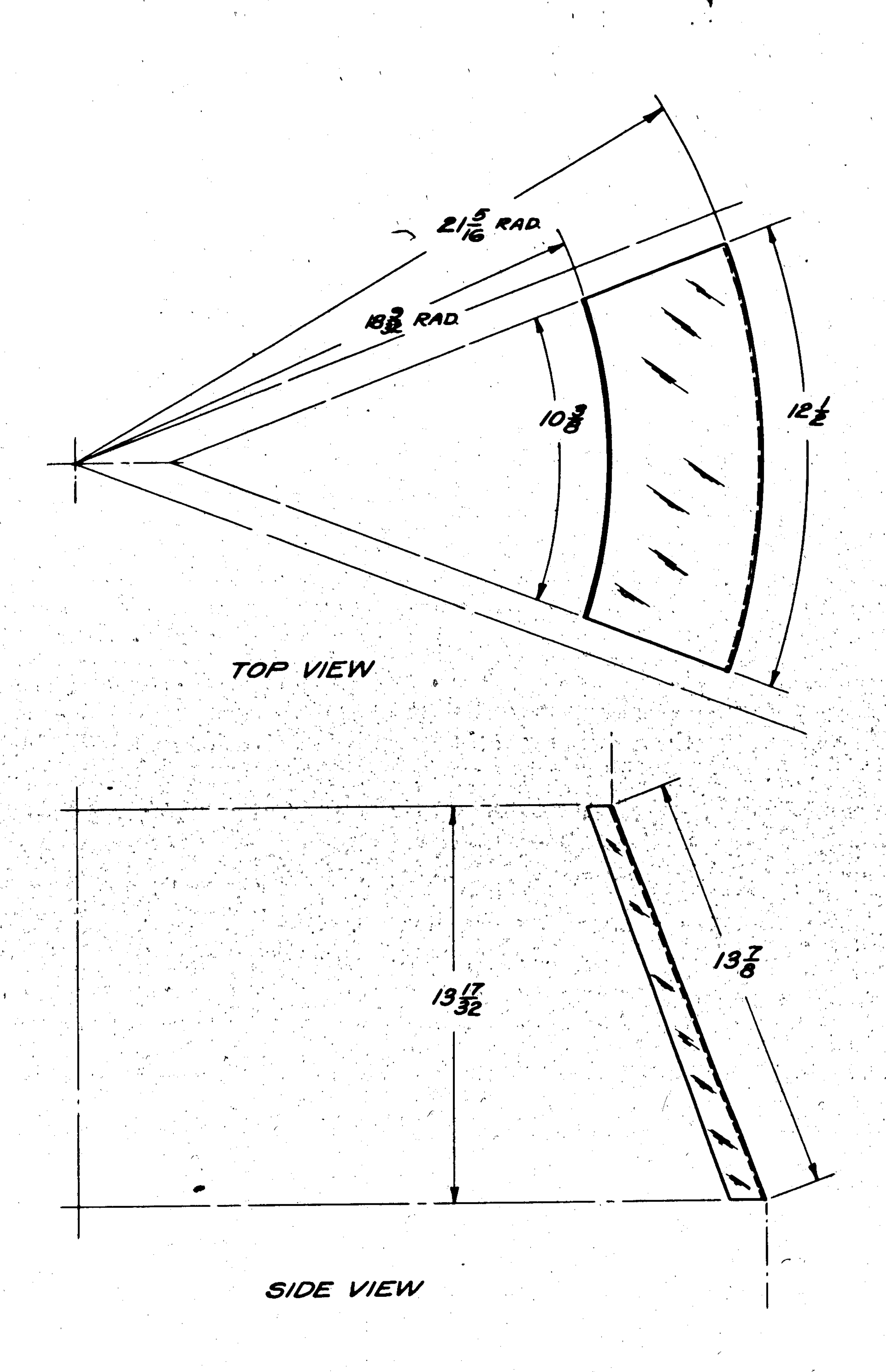
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B TRACED 3-25-38
PBY-5-FUT. C CHANGED 3M003-8 TO Q2105-1.625 10/22/40 SINGER
PBY-5 D CHANGED OVERALL LENGTH 16 11/16 - WAS 16 13/16 2-13-41 SINGER
E.O.A51142 E DIM. 7/8 WAS 1. W.I.CH.NEG. 8-6-42
Q2105-1.625
SECTION G-G
3 1/16
1 21/32
1/2 R
2 7/16 R
90°
F
E
D
C
B
G
A
H
4
3
16 11/16
9/16
2 5/32
7 11/16 R
1/2 R
2
3/4
2 3/8
4 15/16
4 7/8
7/8
E
DIMENSIONS TAKEN TO EDGE OF FLANGE.
.051
1/8 R
X
30°
SECT. | X
A-A | 22°
B-B | 18°
C-C | 15°
D-D | 11°
E-E | 7 1/2°
F-F | 3 1/2°
GP-GREEN PRIME
FINISH COL
DESIGNED FOR DROP HAMMER.
1/4 RADIUS IN ALL CORNERS - TAPER TO 1/8 R.
SECTION-H-H
-LE-R PBY-5B 28B1124 1 EA
-LE-R 28-5AMA, AMC 28B1124 1 EA
-LE-R 28-5MA, MA, MC 28B1124 1 EA
-1 PBY-5 & 5A 28B1124-1 1
PBY-5 & 5A 28B1124 1
-1 PBY-4 28B1124-1 1
PBY-4 28B1124 1
-1 PBY-3 28B1124-1 1
PBY-3 28B1124 1
O. H. MODEL NEXT ASSY. REQ. ST'D PARTS LH RH REQ. PART NO. LH RH REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
28B1691 REPLACES
3-25-38 APPROVED DATE
REPLACED BY
.35 CALC. WT. ACT. WT.
1/32 LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
6" = 1'-0" SCALE
AC
NAVY AL. ALLOY 24SO MATERIAL
47A10 SPEC.
5R53 HEAT TREAT
Z-P FINISH
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN
NAME FORMER HULL-NOSE FILLET
OPP. HAND 28B2691-1
DWG. D SIZE 28B2691


SUPPLIES & EQUIPMENT CLASSIFICATION [redacted]
LET | ALTERATION | DATE | BY
D | TRACED | 2-2-38
E | IN B/M, REPLACED "AL. ALLOY CASTG. 46A1-CL. 4, SH-8A," WITH "NOTED" ON FACE OF DWG. ADDED "MAT'L NOTE #1" BR'T. AIR/REQTS. TO DATE. (NO. WT. CHG.) | 7-12-43
30°
15°
6 7/8
5 7/16
23/32
2 23/32
3/16 R
1/2 R
1/8 R
1/8
1/4 R
1/16 R
1/8 R
1 7/8
1 DIA.
5/32
10R
11/16
2 1/8
4 1/4
1/2 R
FILE FINISH IF NECESSARY
(E) NOTES:
1- MATERIAL MAY BE:
(A) 195T4 AL. AL. CASTING, SPEC. AN-QQ-A-390 CL. I, H.T. 29,000 #/□", OR
(B) S-195T6 AL. AL. CASTING, SPEC. AN-A-5 CL. II, H.T. 32,000 #/□".
ALL 28-5A | 28B1089 | 2
PBY-5 | 28B1089 | 2
PBY-5A | 28B1089 | 2
PBY-5B | 28B1089 | 2
PBY-4 | 28B1089-1
PBY-4 | 28B1089
PBY-3 | 28B1089-1
PBY-3 | 28B1089
O. H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
28B1862 OF 5-15-36
REPLACES
[redacted] 2-2-38
APPROVED | DATE
.65
REPLACED BY | CALC. WT. | ACT. WT.
1/32
LIMIT ON DIMENSIONS UNLESS ± OTHERWISE SPECIFIED
12" = 1'-0"
SCALE
[redacted]
A C
NAVY NOTED | NOTED | NOTED | Z-P
MATERIAL | SPEC. | HEAT TREAT | FINISH
B.O.1 | Berger | H.W.H
2-12-37 | R
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN
NAME GRIP-HULL-MOORING PLATFORM HAND
OPP. HAND
DWG. D SIZE 28B2862



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B TRACED
C MAT. WAS .051 AL. ALLOY SH'T 8-5-38 ELZ
D ADDED 28244B-24 REQ 8/5/38 ELZ
E ADDED -2 & B24A REQS 2-16-40
F ADDED -3 & REQS 3-27-40
G DIM. 11/16 WAS 19/32, 1 1/8 WAS 1 1/32 7 9/16 WAS 7 3/8. REVISED "B" DIM 15 11/16 WAS 15 1/2, 7 9/16 WAS 7 3/8 WT. CHG. NEG 6-2-42 GMB
E.O. A34807
1/8 R
A
7 9/16
6 5/16 +1/64 -0
C
1 1/4 R
1 11/16 R
1 1/8
11/16
1 11/32
1 11/32
B
ASSY DASH NO. | A | B | C
-0 | 1/4 | 15 11/16 | 14 5/16 +1/64 -0
-2 | 3/16 | 15 11/16 | 14 5/16 +1/64 -0
-3 | 1/4 | 7 9/16 | 6 5/16 +1/64 -0
GP GREEN PRIME
FINISH CODE
Z
P
AP
C
PBY-5 28B3170 3
PBY-5 28B3497 1
PBY-5 28B3497 2
-3 28-5MF 28B5170 1
-2 B24A 32B429R 1
-2 B24A 32B429L 1
-0 PBY-4 28B3497-1
-0 PBY-4 28B3497
-0 PBY-4 28B3170
-0 PBY-3 28B3497-1
-0 PBY-3 28B3497
-0 PBY-3 28B3170
O.H. MODEL NEXT ASSY. REQ. STD PARTS PART NO.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
28-5AMN 28B3170 2
28-5AMN 28B3497 1
PBY-5B 28B3170 2
-2 PBY-5B 28B5161 1
28-5AMC 28B3170
28-5AMC 28B6633
28-5MN 28B3497
28-5MN 28B3170 3
PBY-5A 28B3497 1
PBY-5A 28B3170 2
O.H. MODEL NEXT ASSY. REQ
28B1498-6,-74-8 REPLACES
APPROVED DATE 3-25-58
.65 CALC. WT. ACT. WT.
REPLACED BY
1/32
12" - 1'-0" SCALE
[redacted]
A.C. .051 ALCLAD SHT(24ST) 11067 TYPE I
NAVY .051 ALCLAD SHT(24ST) 47A8 COND. A
MATERIAL SPEC.
SR53 COND. T HEAT TREAT
Z-P-GP FINISH
3-27-37
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
NAME COVER PLATE - HULL FIXED PORT
OPP. HAND
DWG. SIZE D 28B3011

SUPPLIES & EQUIPMENT CLASSIFICATION	[redacted]		
LET	ALTERATION	DATE	BY
A	TRACED	3-25-38	[illegible]



FRONT VIEW

NOTE:-
TO BE FORMED OF PLEXIGLAS .100 THICK
AS SHOWN. IN ACCORDANCE WITH SPEC. P1-2
7 REQUIRED PER AIRPLANE

O. H.	MODEL	NEXT ASSY.	REQ.
	PBY-5B	28B1307	7
	PBY-5A	28B1307	7
	PBY-4	28B1307	
	PBY-3	28B1307	

REQUIREMENTS PER AIRPLANE

ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.	LH REQ.	RH REQ.	LH REQ.	RH REQ.	LH REQ.	RH REQ.	LH REQ.	RH REQ.

MAT. | PARTS LIST PER ASSY.

REPLACES	APPROVED: RCW	DATE: 3-25-38
REPLACED BY	CALC. WT.: .80	ACT. WT.
+ 1/32 - 0 LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	SCALE: 3" = 1'-0"	

[redacted]

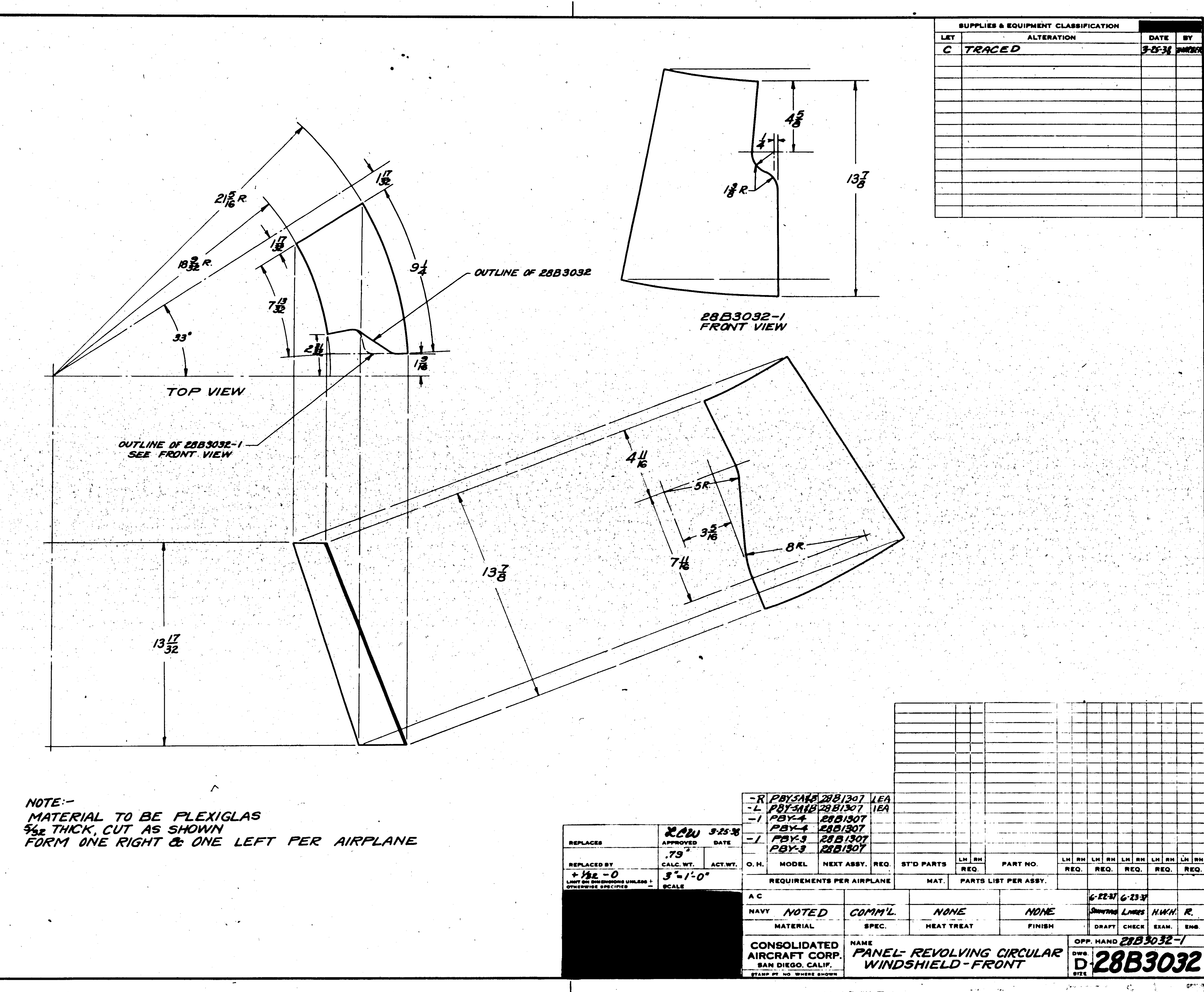
A C				6-22-37	6-23-37		
NAVY NOTED	P-41.	NONE	NONE	[illegible]	LIVERS	H.W.H.	R
MATERIAL	SPEC.	HEAT TREAT	FINISH	DRAFT	CHECK	EXAM.	ENG.

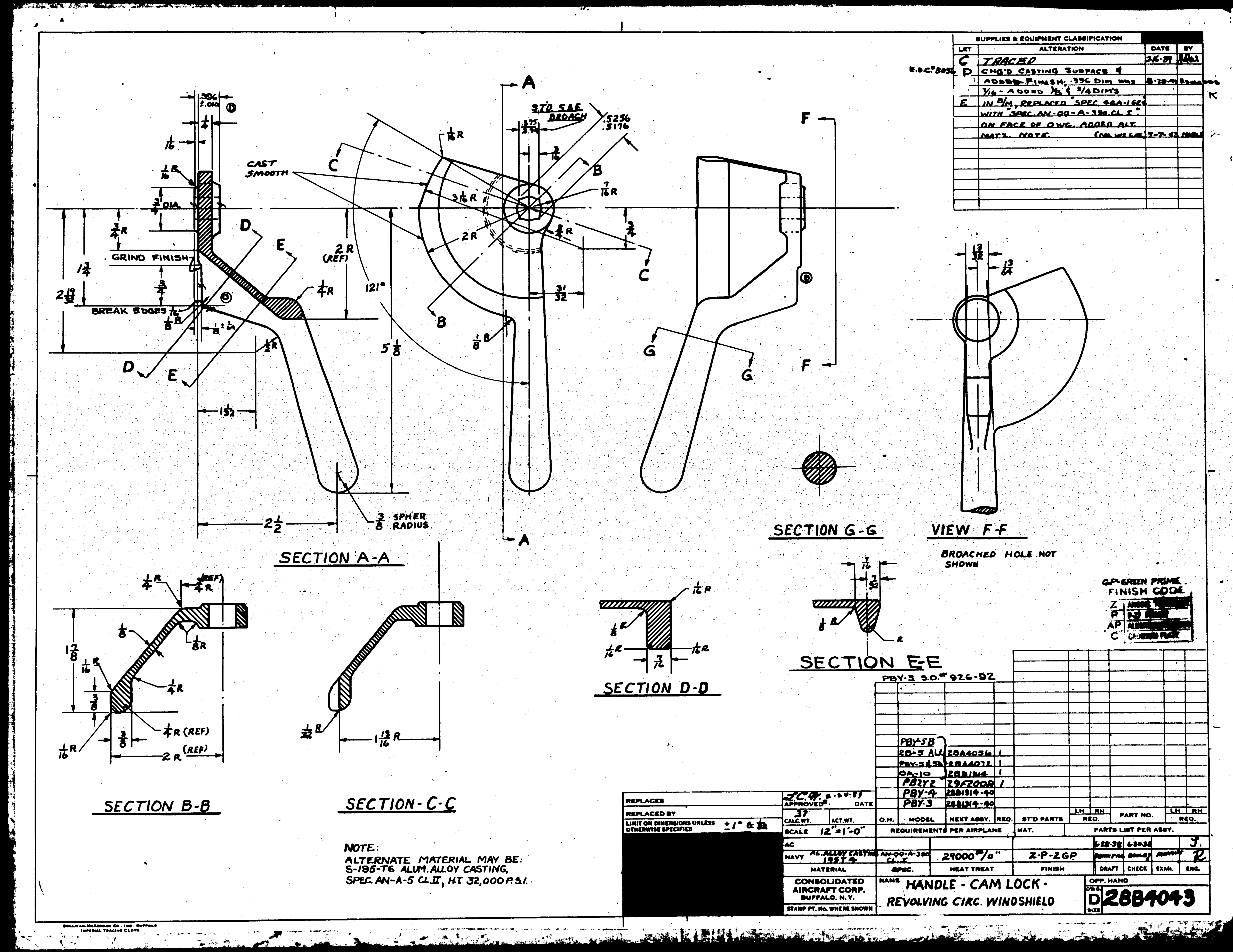
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN

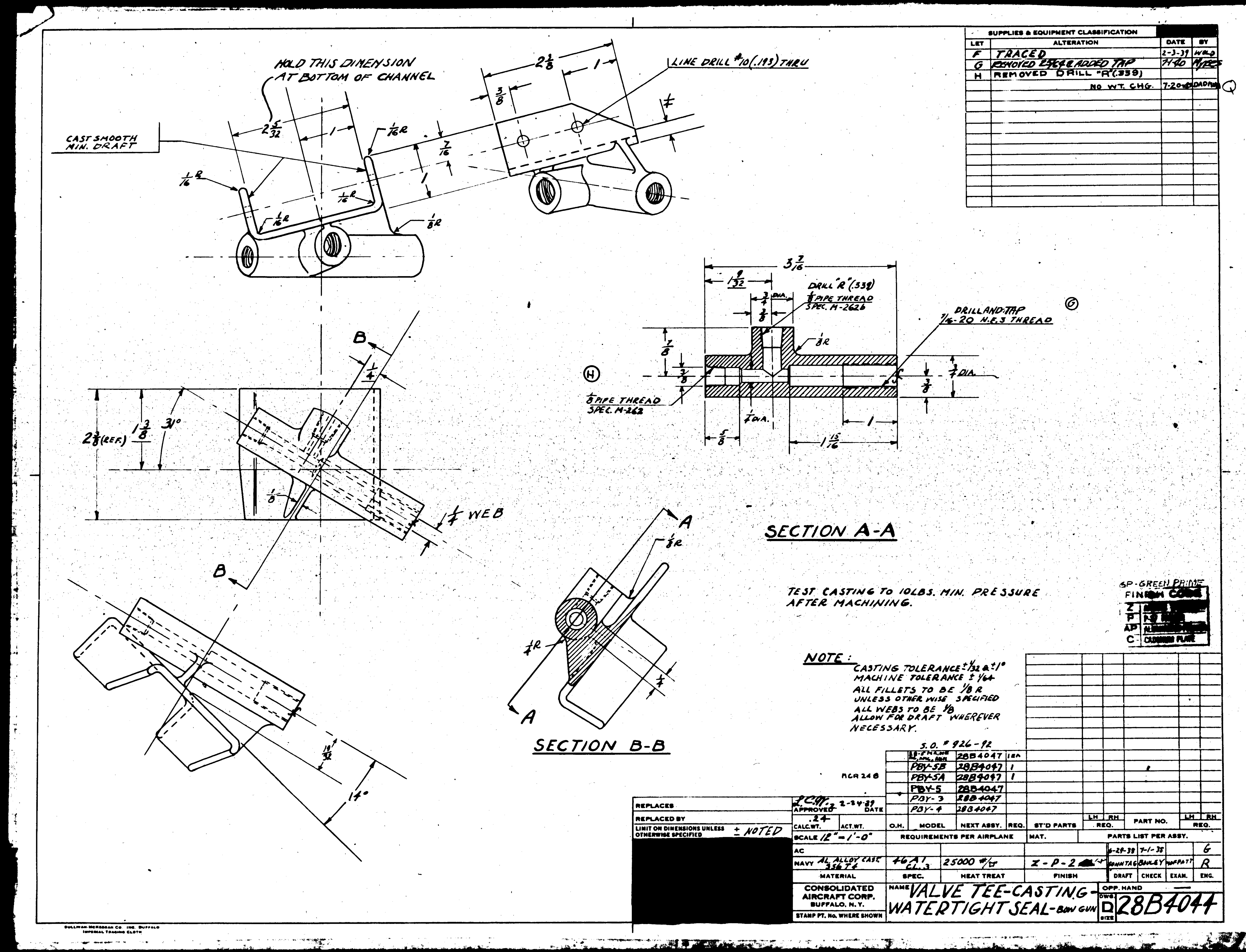
NAME: PANEL-REVOLVING CIRCULAR WINDSHIELD SIDE

OPP. HAND

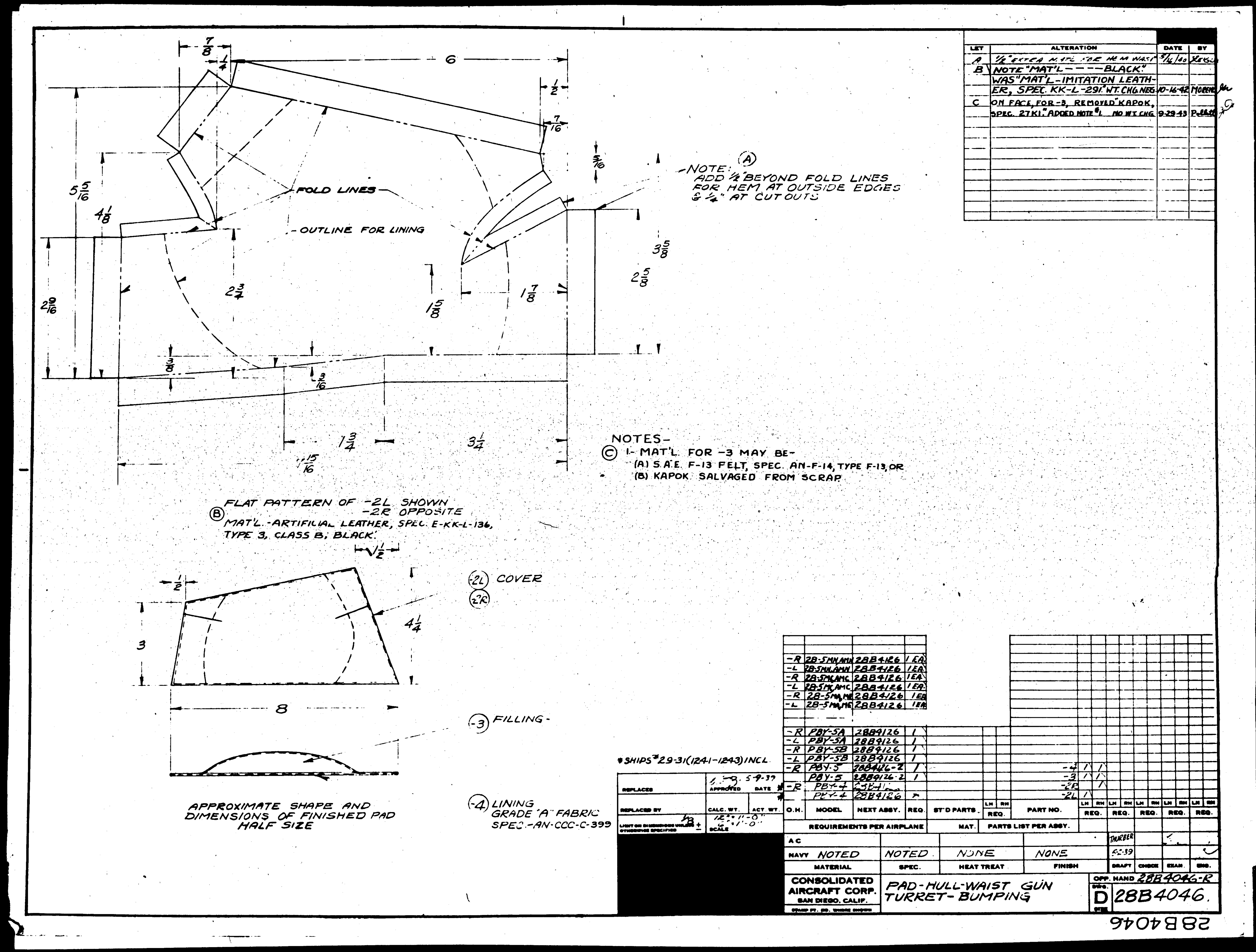
DWG. SIZE D- 28B3031


SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
C
TRACED
3-25-38
21 5/16 R.
18 9/32 R.
1 17/32
1 17/32
7 13/32
9 1/4
33°
2 11/32
1 9/16
OUTLINE OF 28B3032
TOP VIEW
OUTLINE OF 28B3032-1
SEE FRONT VIEW
4 5/8
1/4
1 3/8 R.
13 7/8
28B3032-1
FRONT VIEW
4 11/16
5R.
3 5/16
7 11/16
8R.
13 7/8
13 17/32
NOTE:-
MATERIAL TO BE PLEXIGLAS
5/32 THICK, CUT AS SHOWN
FORM ONE RIGHT & ONE LEFT PER AIRPLANE
-R PBY5A&B 28B1307 1EA
-L PBY-5A&B 28B1307 1EA
-1 PBY-4 28B1307
PBY-4 28B1307
-1 PBY-3 28B1307
PBY-3 28B1307
O. H.
MODEL
NEXT ASSY.
REQ.
ST'D PARTS
LH RH REQ.
PART NO.
LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES
LCW 3-25-38
APPROVED
DATE
.79
CALC. WT.
ACT. WT.
REPLACED BY
+ 1/32 - 0
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
3" = 1'-0"
SCALE
[redacted]
A C
6-22-37
6-23-37
NAVY
NOTED
COMM'L.
NONE
NONE
H.W.H.
R.
MATERIAL
SPEC.
HEAT TREAT
FINISH
DRAFT
CHECK
EXAM.
ENG.
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
STAMP PT NO WHERE SHOWN
NAME
PANEL- REVOLVING CIRCULAR WINDSHIELD-FRONT
OPP. HAND 28B3032-1
DWG. SIZE D
28B3032

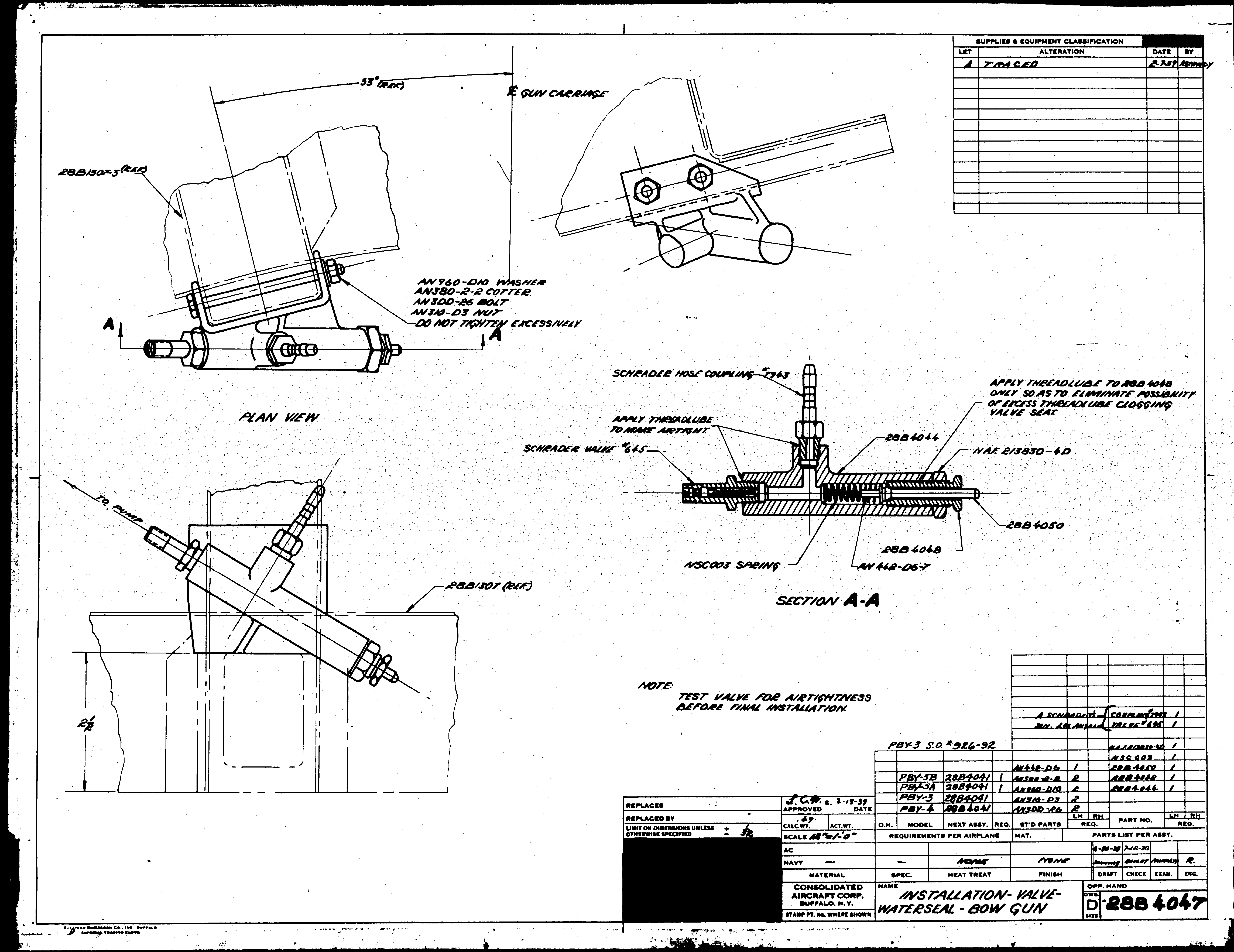

SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C TRACED
D CHG'D CASTING SURFACE & ADDED FINISH; .396 DIM was 3/16 - ADDED 1/2 & 3/4 DIM'S
E IN B/M, REPLACED "SPEC. 46A-1 ..." WITH "SPEC. AN-QQ-A-390, CL. I" ON FACE OF DWG. ADDED ALT. MAT'L. NOTE.
STD S.A.E. BROACH
CAST SMOOTH
GRIND FINISH
BREAK EDGES
3/4 DIA.
3/8 SPHER. RADIUS
SECTION A-A
SECTION G-G
VIEW F-F
BROACHED HOLE NOT SHOWN
GP-GREEN PRIME
FINISH CODE
SECTION D-D
SECTION E-E
SECTION B-B
SECTION-C-C
PBY-3 S.O.# 926-92
PBY-5B
28-5 AL 28A4056 1
PBY-5A 28A4072 1
OA-10 28B1814 1
PB2Y2 29F2008 1
PBY-4 28B1814-40
PBY-3 28B1814-40
NOTE:
ALTERNATE MATERIAL MAY BE:
S-195-T6 ALUM. ALLOY CASTING,
SPEC. AN-A-5 CL. II, H.T. 32,000 P.S.I.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±1° & 1/32
APPROVED DATE
CALC. WT. .37
ACT. WT.
SCALE 12"=1'-0"
AL. ALLOY CASTING 195T4
AN-QQ-A-390 CL. I
29000#/□"
Z-P-2GP
MATERIAL
SPEC.
HEAT TREAT
FINISH
DRAFT CHECK EXAM. ENG.
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASSY.
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME HANDLE - CAM LOCK - REVOLVING CIRC. WINDSHIELD
OPP. HAND
D 28B4043



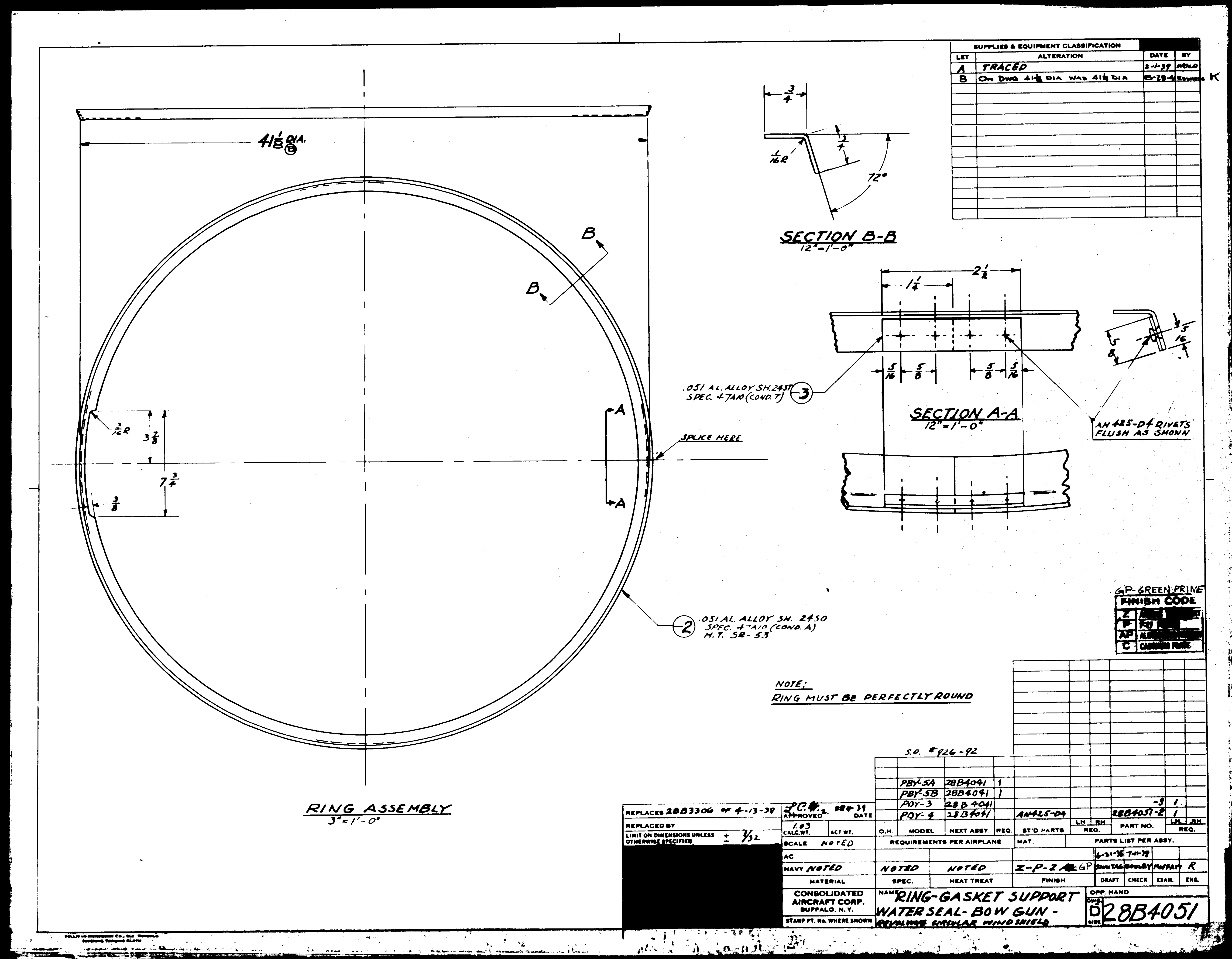
SUPPLIES & EQUIPMENT CLASSIFICATION [redacted]
LET | ALTERATION | DATE | BY
F | TRACED | 2-3-39
G | REMOVED | ADDED TAP
H | REMOVED DRILL "R" (.339)
NO WT. CHG.
HOLD THIS DIMENSION AT BOTTOM OF CHANNEL
LINE DRILL #10 (.193) THRU
CAST SMOOTH MIN. DRAFT
DRILL "R" (.339) 1/4 PIPE THREAD SPEC. M-262b
DRILL AND TAP 7/16-20 N.E.3 THREAD
1/8 PIPE THREAD SPEC. M-262
1/4 WEB
SECTION A-A
SECTION B-B
TEST CASTING TO 10LBS. MIN. PRESSURE AFTER MACHINING.
NOTE:
CASTING TOLERANCE ±1/32 & ±1°
MACHINE TOLERANCE ± 1/64
ALL FILLETS TO BE 1/8 R UNLESS OTHER WISE SPECIFIED
ALL WEBS TO BE 1/8
ALLOW FOR DRAFT WHEREVER NECESSARY.
SP-GREEN PRIME
S.O. # 926-92
MCR 248
PBY-5B 28B4047 1
PBY-5A 28B4047 1
PBY-5 28B4047
PBY-3 28B4047
PBY-4 28B4047
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± NOTED
[redacted]
APPROVED 2-24-39 DATE
.24 CALC.WT. ACT.WT.
SCALE 12" = 1'-0"
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS REQ. PART NO. REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
AC
NAVY AL. ALLOY CAST 356 T4 46A1 CL. 3 25000 #/□ Z-P-2
MATERIAL SPEC. HEAT TREAT FINISH
6-29-38 7-1-38 G R
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME VALVE TEE-CASTING-WATERTIGHT SEAL-BOW GUN
OPP. HAND
DWG. D SIZE 28B4044



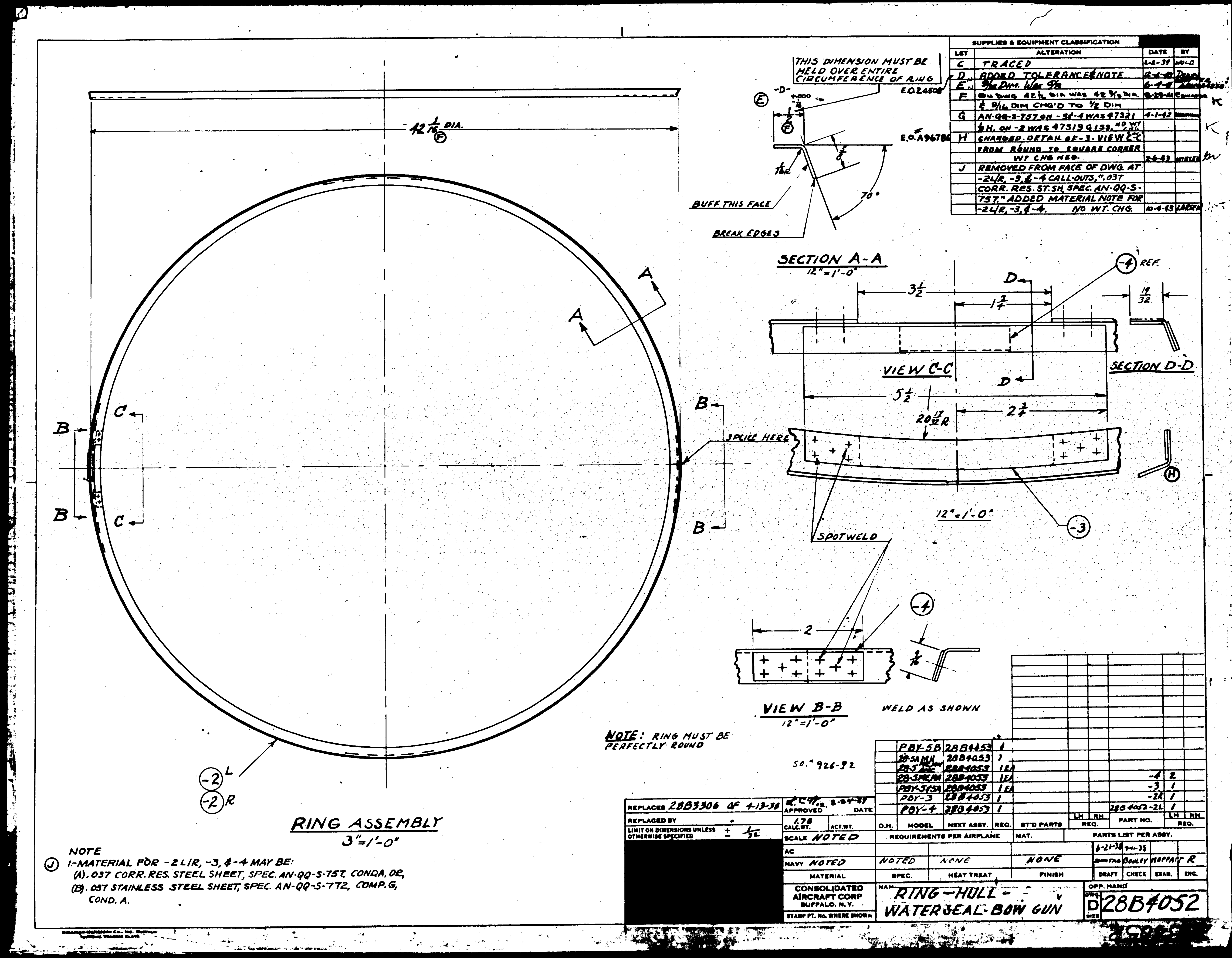
LET	ALTERATION	DATE	BY
A	1/2" EXTRA MAT'L FOR HEM WAS 1"	3/16/40	
B	NOTE "MAT'L - - - - BLACK." WAS "MAT'L - IMITATION LEATHER, SPEC. KK-L-291." WT. CHG. NEG.	10-16-42	
C	ON FACE, FOR -3, REMOVED "KAPOK, SPEC. 27K1." ADDED NOTE #1 NO WT. CHG.	9-29-43	
6
7/8
1/4
1/2
7/16
5/16
5 5/16
4 1/8
FOLD LINES
OUTLINE FOR LINING
NOTE: (A) ADD 1/2" BEYOND FOLD LINES FOR HEM AT OUTSIDE EDGES & 1/4" AT CUT OUTS
3 5/8
2 5/8
2 3/4
1 5/8
1 7/8
2 9/16
3/8
3/16
1 3/4
3 1/4
1 15/16
NOTES-
(C) 1- MAT'L. FOR -3 MAY BE-
(A) S.A.E. F-13 FELT, SPEC. AN-F-14, TYPE F-13, OR
(B) KAPOK SALVAGED FROM SCRAP.
FLAT PATTERN OF -2L SHOWN -2R OPPOSITE
(B) MAT'L.-ARTIFICIAL LEATHER, SPEC. E-KK-L-136, TYPE 3, CLASS B, BLACK.
1/2
1/2
3
4 1/4
8
-2L COVER
-2R
-3 FILLING-
-4 LINING GRADE "A" FABRIC SPEC.-AN-CCC-C-399
APPROXIMATE SHAPE AND DIMENSIONS OF FINISHED PAD HALF SIZE
#SHIPS #29-31 (1241-1243) INCL.
-R 28-5MN AMN 28B4126 1 EA.
-L 28-5MN AMN 28B4126 1 EA.
-R 28-5MC AMC 28B4126 1 EA.
-L 28-5MC AMC 28B4126 1 EA.
-R 28-5MA ME 28B4126 1 EA.
-L 28-5MA ME 28B4126 1 EA.
-R PBY-5A 28B4126 1
-L PBY-5A 28B4126 1
-R PBY-5B 28B4126 1
-L PBY-5B 28B4126 1
-R PBY-5 28B4126-2 1
PBY-5 28B4126-2 1
-R PBY-4
PBY-4 28B4126
-4 -3 -2R -2L
O.H. MODEL NEXT ASSY. REQ. STD PARTS PART NO.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
REPLACES
REPLACED BY
APPROVED 5-9-39 DATE
CALC. WT. ACT. WT.
SCALE 12"=1'-0"
AC
NAVY NOTED NOTED NONE NONE
MATERIAL SPEC. HEAT TREAT FINISH
THURBER 5-5-39 DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
PAD-HULL-WAIST GUN TURRET-BUMPING
OPP. HAND 28B4046-R
D 28B4046.
28B4046



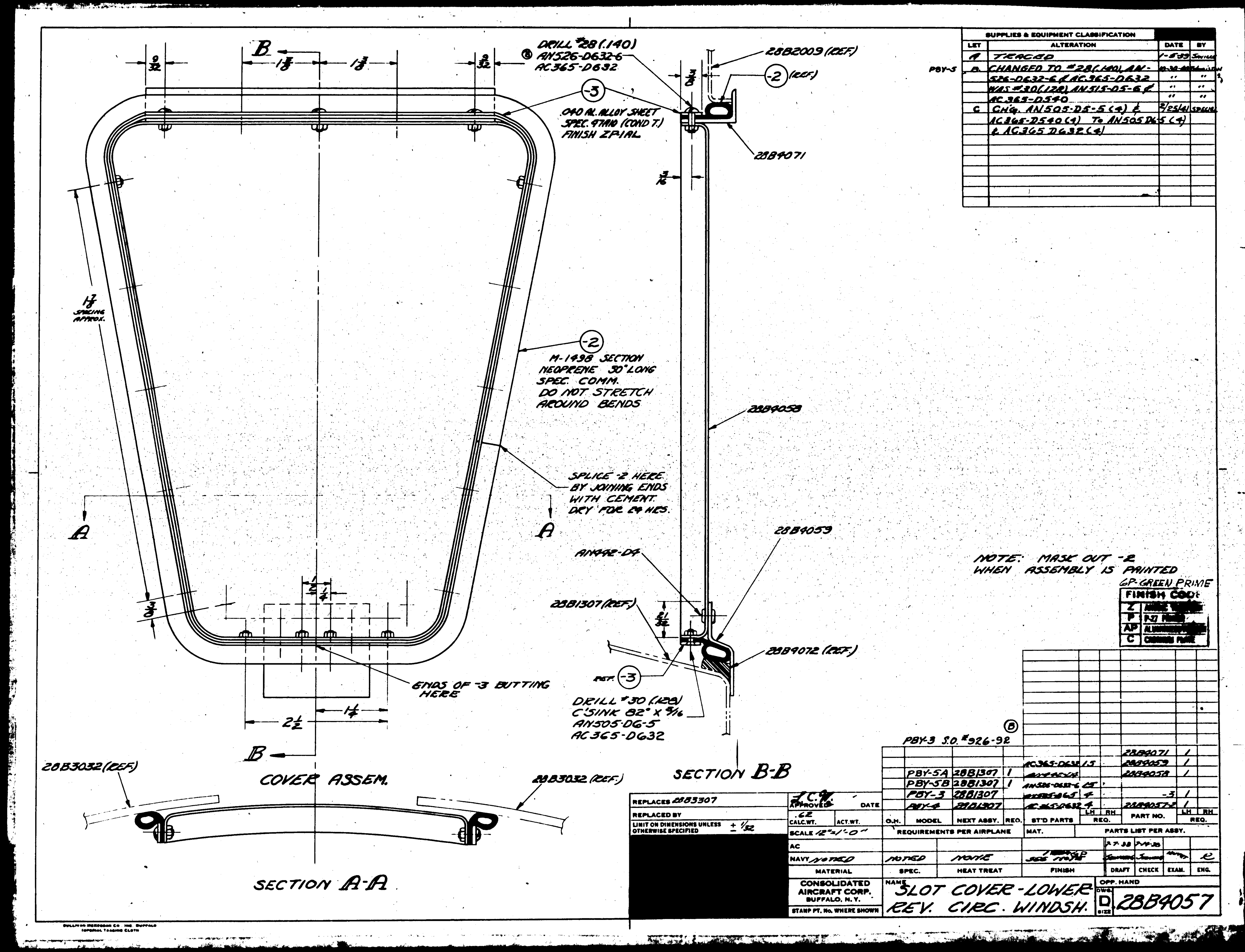
SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
A TRACED
33° (REF.)
℄ GUN CARRIAGE
28B1307-3 (REF.)
AN960-D10 WASHER
AN380-2-2 COTTER
AN300-26 BOLT
AN310-D3 NUT
DO NOT TIGHTEN EXCESSIVELY
A
A
PLAN VIEW
TO PUMP
28B1307 (REF.)
2 1/2
SCHRADER HOSE COUPLING #7963
APPLY THREADLUBE TO 28B4048 ONLY SO AS TO ELIMINATE POSSIBILITY OF EXCESS THREADLUBE CLOGGING VALVE SEAT.
APPLY THREADLUBE TO MAKE AIRTIGHT.
SCHRADER VALVE #645
28B4044
N.A.F. 213830-4D
28B4050
28B4048
NSC003 SPRING
AN442-D6-7
SECTION A-A
NOTE:
TEST VALVE FOR AIRTIGHTNESS BEFORE FINAL INSTALLATION.
PBY-3 S.O. #926-92
PBY-5B 28B4041 1
PBY-5A 28B4041 1
PBY-3 28B4041
PBY-4 28B4041
AN442-D6 1
AN960-D10 2
AN310-D3 2
AN300-26 2
NSC003 1
28B4050 1
28B4044 1
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
APPROVED
DATE
2-13-39
CALC. WT.
ACT. WT.
SCALE
O.H.
MODEL
NEXT ASSY.
REQ.
ST'D PARTS
LH
RH
REQ.
PART NO.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
AC
NAVY
NONE
NONE
MATERIAL
SPEC.
HEAT TREAT
FINISH
DRAFT
CHECK
EXAM.
ENG.
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N. Y.
STAMP PT. No. WHERE SHOWN
NAME
INSTALLATION - VALVE - WATERSEAL - BOW GUN
OPP. HAND
DWG.
D
SIZE
28B4047

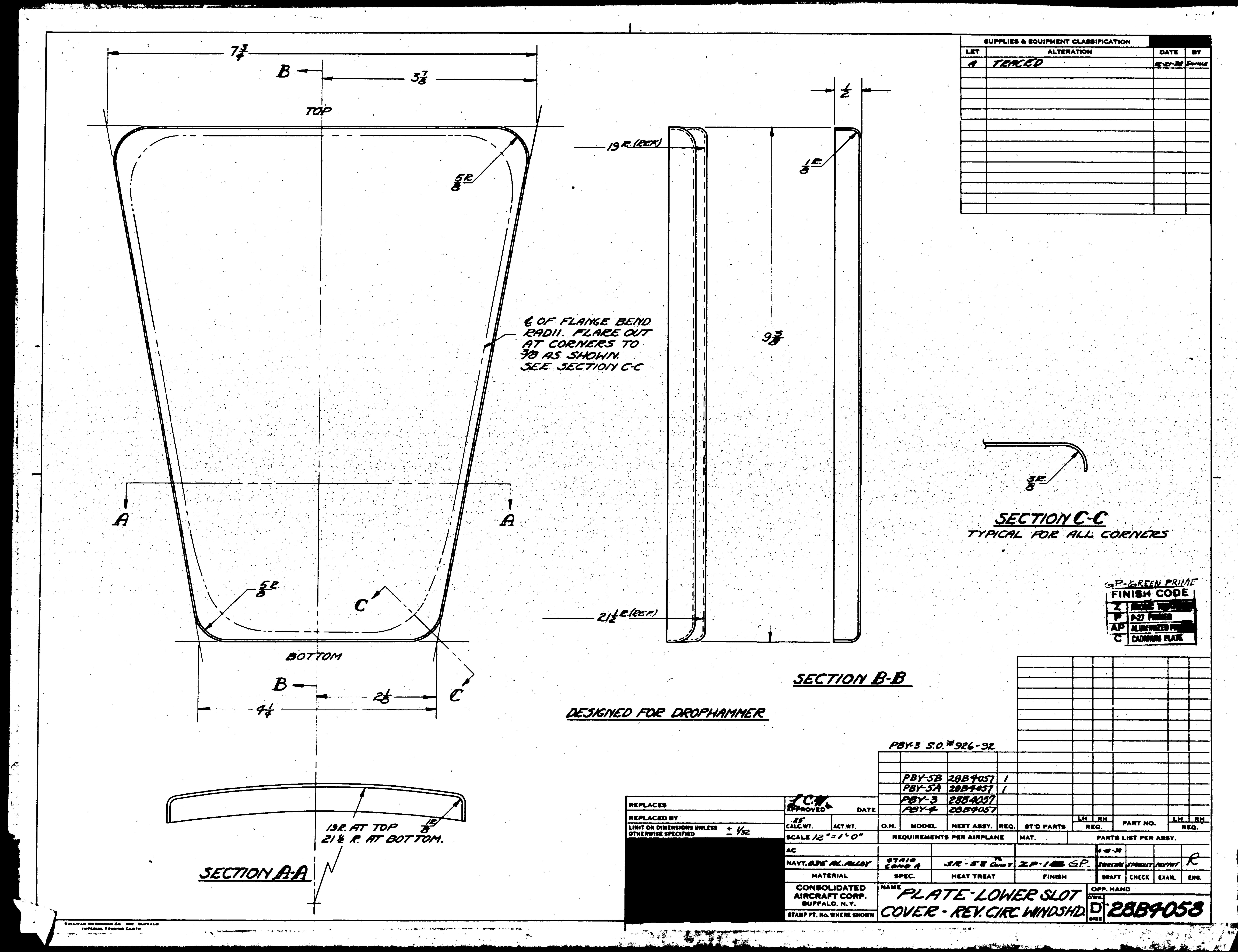


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED | 2-1-39
B | ON DWG 41 1/8 DIA WAS 41 1/2 DIA
41 1/8 DIA.
SECTION B-B
12"=1'-0"
72°
1/16 R
B
B
.051 AL. ALLOY SH. 24ST SPEC. 47A10 (COND. T)
3
SECTION A-A
12"=1'-0"
AN 425-D4 RIVETS FLUSH AS SHOWN
1 1/4
2 1/2
A
A
SPLICE HERE
3 7/8
7 3/4
3/16 R
3/8
2
.051 AL. ALLOY SH. 24SO SPEC. 47A10 (COND. A) H.T. SR-53
GP-GREEN PRIME
FINISH CODE
Z
F
AP
C
NOTE:
RING MUST BE PERFECTLY ROUND
RING ASSEMBLY
3"=1'-0"
S.O. #926-92
PBY-5A 28B4041 1
PBY-5B 28B4041 1
PBY-3 28B4041
PBY-4 28B4041
AN425-D4
28B4051-2 1
-3 1
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH. RH REQ.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES 28B3306 OF 4-13-38
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
APPROVED
DATE
1.03 CALC. WT.
ACT. WT.
SCALE NOTED
AC
NAVY NOTED
MATERIAL
NOTED
SPEC.
NOTED
HEAT TREAT
Z-P-2 GP
FINISH
6-21-38 7-11-38
R
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME RING-GASKET SUPPORT WATER SEAL-BOW GUN-REVOLVING CIRCULAR WINDSHIELD
OPP. HAND
DWG. SIZE D
28B4051

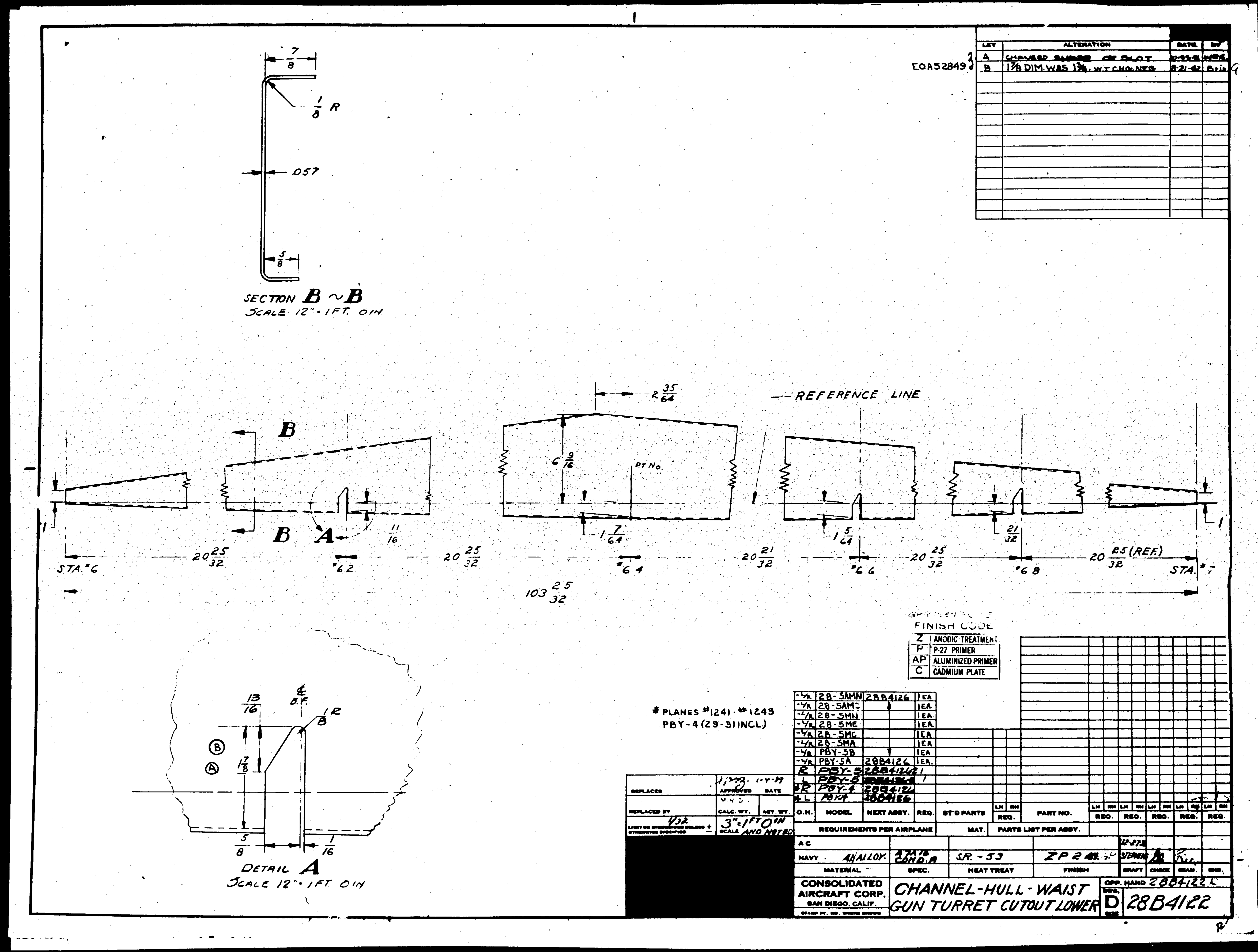


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
C | TRACED | 2-2-39
D | ADDED TOLERANCE & NOTE
E | 9/16 DIM. WAS 9/8 | 6-4-41
F | ON DWG 42 1/16 DIA WAS 42 3/16 DIA. & 9/16 DIM CHG'D TO 1/2 DIM
G | AN-QQ-S-757 ON -3 & -4 WAS 47321 1/2 H. ON -2 WAS 47319 G 133. NO WT CHG | 4-1-42
H | CHANGED. DETAIL OF -3. VIEW C-C FROM ROUND TO SQUARE CORNER WT CHG NEG. | 2-6-43
J | REMOVED FROM FACE OF DWG. AT -2L/R, -3, & -4 CALL-OUTS, ".037 CORR. RES. ST. SH, SPEC. AN-QQ-S-757." ADDED MATERIAL NOTE FOR -2L/R, -3, & -4. NO WT. CHG. | 10-4-43 | LARSEN
THIS DIMENSION MUST BE HELD OVER ENTIRE CIRCUMFERENCE OF RING
E.O. 24508
E.O. A96786
-D-
+.000 -1/8
BUFF THIS FACE
BREAK EDGES
70°
42 1/16 DIA.
SECTION A-A
12" = 1'-0"
A
B
C
SPLICE HERE
3 1/2
1 3/4
D
-4 REF.
19/32
VIEW C-C
SECTION D-D
5 1/2
2 3/4
20 17/32 R
12" = 1'-0"
-3
SPOTWELD
2
-4
1/16
VIEW B-B
12" = 1'-0"
WELD AS SHOWN
NOTE: RING MUST BE PERFECTLY ROUND
SO. # 926-92
-2 L
-2 R
RING ASSEMBLY
3" = 1'-0"
NOTE
1-MATERIAL FOR -2 L/R, -3, & -4 MAY BE:
(A) .037 CORR. RES. STEEL SHEET, SPEC. AN-QQ-S-757, COND A, OR,
(B) .037 STAINLESS STEEL SHEET, SPEC. AN-QQ-S-772, COMP. G, COND. A.
PBY-5B | 28B4053 | 1
28-5A MN | 28B4053 | 1
28-5 | 28B4053 | 1 EA
28-5ME | 28B4053 | 1 EA
PBY-5(5A) | 28B4053 | 1 EA
PBY-3 | 28B4053 | 1
PBY-4 | 28B4053 | 1
-4 | 2
-3 | 1
-2R | 1
28B4052-2L | 1
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES 28B3306 OF 4-13-38
APPROVED | DATE 2-24-39
REPLACED BY
1.78 CALC. WT. | ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE NOTED
[redacted]
AC
NAVY NOTED | NOTED | NONE | NONE
MATERIAL | SPEC. | HEAT TREAT | FINISH
6-21-38 | 9-1-38
BOWLEY | MOFFATT | R
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME RING - HULL - WATERSEAL - BOW GUN
OPP. HAND
DWG SIZE D 28B4052

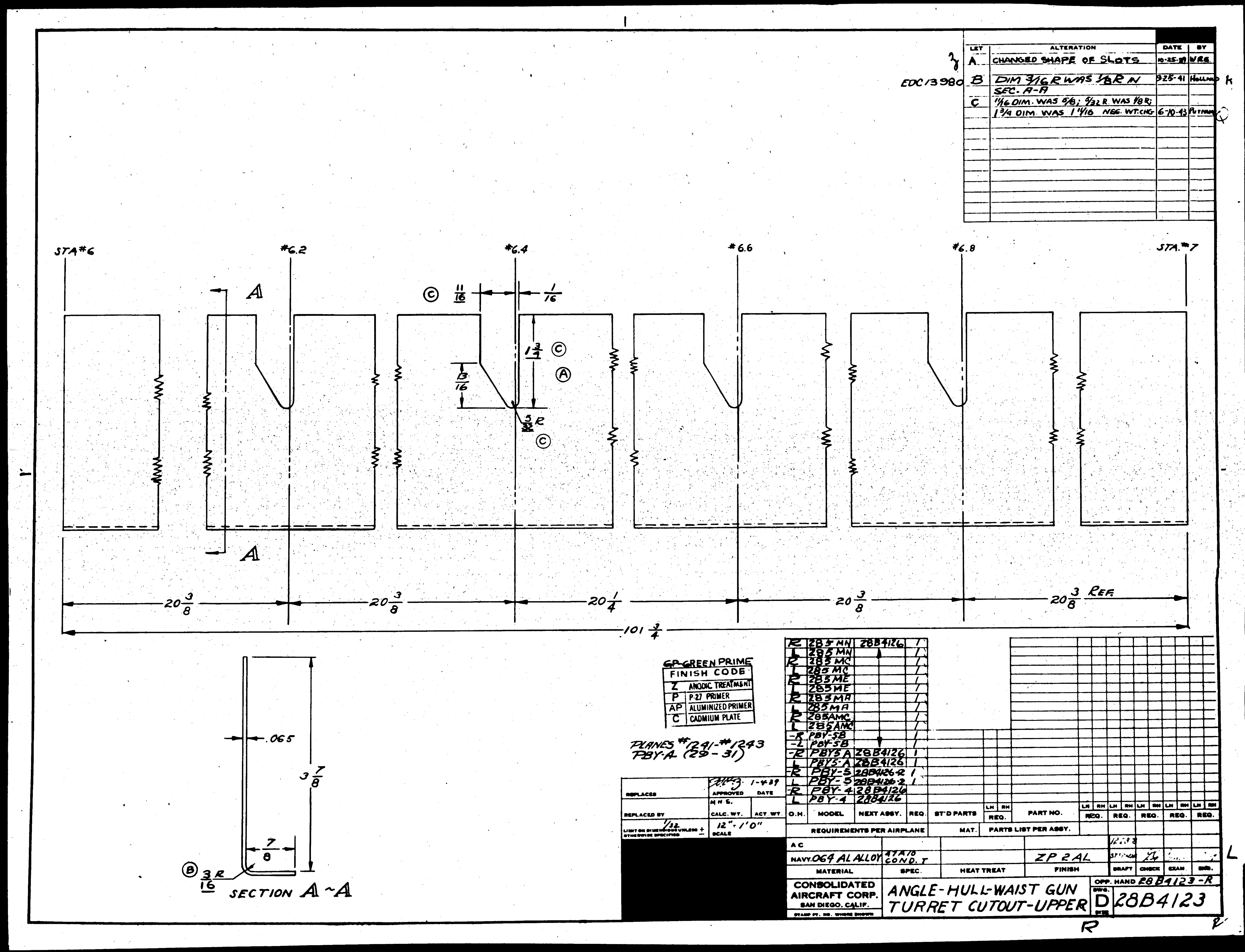

SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A | TRACED | 1-5-39
PBY-5 | B. CHANGED TO #28 (.140) AN-526-D632-6 & AC365-D632 WAS #30 (.128) AN515-D5-6 & AC365-D540
C | CHG. AN505-D5-5 (4) & AC365-D540 (4) TO AN505 D6-5 (4) & AC365 D632 (4) | 2/25/41
DRILL #28 (.140)
(B) AN526-D632-6
AC365-D632
28B2009 (REF.)
-2 (REF.)
-3
.040 AL. ALLOY SHEET SPEC. 47A10 (COND T.) FINISH ZP1AL
28B4071
-2
M-1498 SECTION NEOPRENE 30" LONG SPEC. COMM. DO NOT STRETCH AROUND BENDS
28B4058
SPLICE -2 HERE BY JOINING ENDS WITH CEMENT. DRY FOR 24 HRS.
1 7/8 SPACING APPROX.
A
A
B
B
28B4059
AN492-D4
NOTE: MASK OUT -2 WHEN ASSEMBLY IS PAINTED
GP-GREEN PRIME
FINISH CODE
28B1307 (REF.)
28B4072 (REF.)
REF. -3
DRILL #30 (.128) C'SINK 82° X 5/16 AN505-D6-5 AC365-D632
ENDS OF -3 BUTTING HERE
2 1/2
1 1/4
COVER ASSEM.
SECTION B-B
28B3032 (REF.)
28B3032 (REF.)
SECTION A-A
(B)
PBY-3 S.O. #926-92
PBY-5A | 28B1307 | 1
PBY-5B | 28B1307 | 1
PBY-3 | 28B1307
PBY-4 | 28B1307
AC365-D632 | 15
AN526-D632-6 | 15
AC365-D632 | 4
28B4071 | 1
28B4059 | 1
28B4058 | 1
-3 | 1
28B4057-2 | 1
O.H. | MODEL | NEXT ASSY. | REQ. | ST'D PARTS | REQ. LH RH | PART NO. | REQ. LH RH
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES 28B3307
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
APPROVED | DATE
.62 CALC.WT. | ACT.WT.
SCALE 12"=1'-0"
AC
NAVY NOTED | NOTED | NONE | SEE NOTE
MATERIAL | SPEC. | HEAT TREAT | FINISH | DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME SLOT COVER - LOWER REV. CIRC. WINDSH.
OPP. HAND
DWG. SIZE D
28B4057



SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
A
TRACED
7 3/4
B
3 7/8
TOP
5/8 R.
€ OF FLANGE BEND RADII. FLARE OUT AT CORNERS TO 3/8 AS SHOWN. SEE SECTION C-C
A
A
5/8 R.
C
BOTTOM
B
2 1/8
C
4 1/4
1/2
19 R. (REF.)
1/8 R.
9 3/8
21 1/2 R. (REF.)
3/8 R.
SECTION C-C
TYPICAL FOR ALL CORNERS
GP-GREEN PRIME
FINISH CODE
Z
P
AP
ALUMINIZED PRIMER
C
CADMIUM PLATE
SECTION B-B
DESIGNED FOR DROPHAMMER
PBY-3 S.O.#926-32
PBY-5B 28B4057 1
PBY-5A 28B4057 1
PBY-3 28B4057
PBY-4 28B4057
1/8 R.
19 R. AT TOP
21 1/2 R. AT BOTTOM.
SECTION A-A
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
APPROVED
DATE
.25
CALC. WT.
ACT. WT.
O.H.
MODEL
NEXT ASSY.
REQ.
ST'D PARTS
LH
RH
REQ.
PART NO.
LH
RH
REQ.
SCALE 12"=1'-0"
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
AC
NAVY .036 AL. ALLOY
SR-58
ZP-1
GP
MATERIAL
SPEC.
HEAT TREAT
FINISH
DRAFT
CHECK
EXAM.
ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
PLATE-LOWER SLOT COVER - REV. CIRC. WINDSHD.
OPP. HAND
DWG.
D
SIZE
28B4058

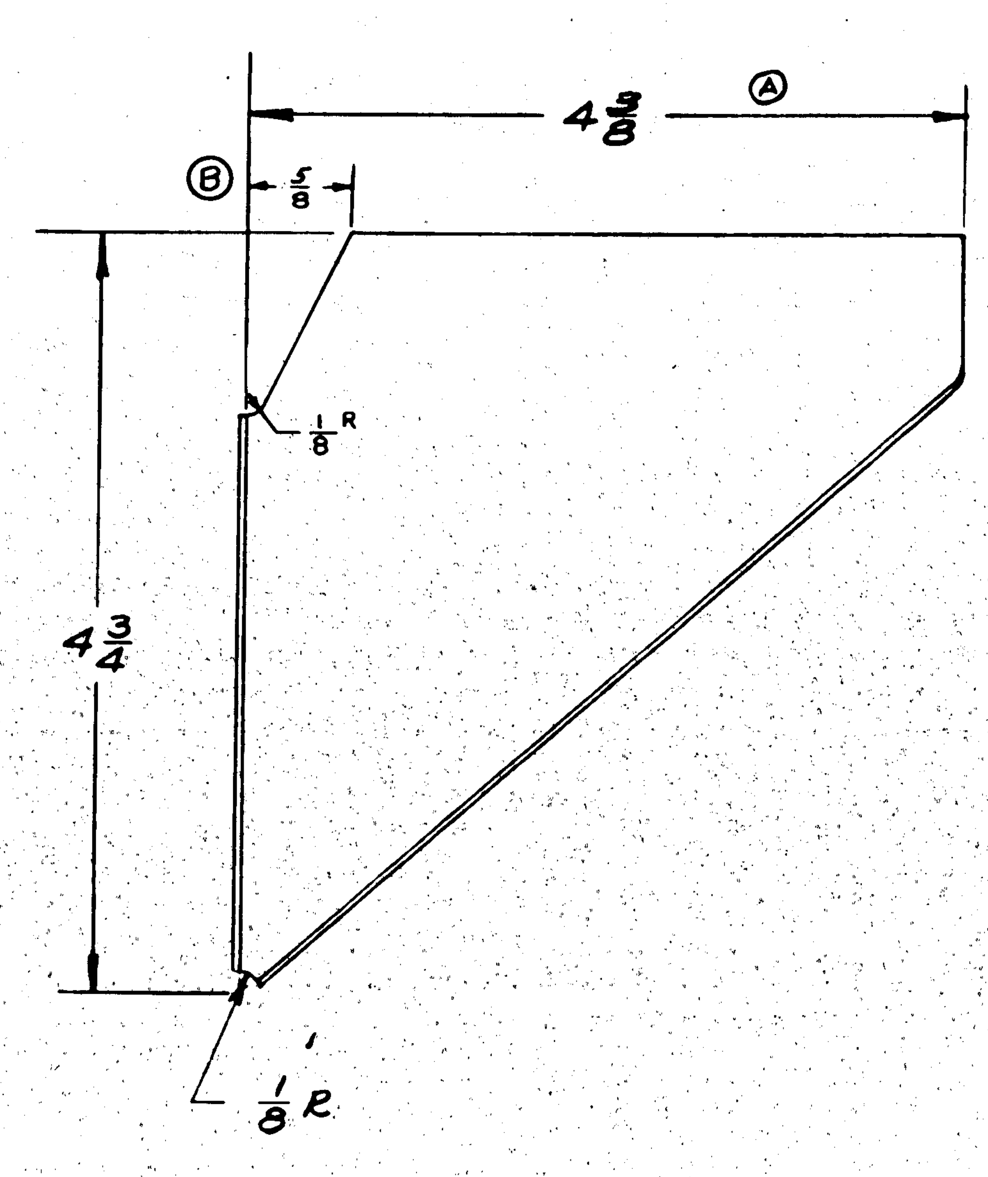


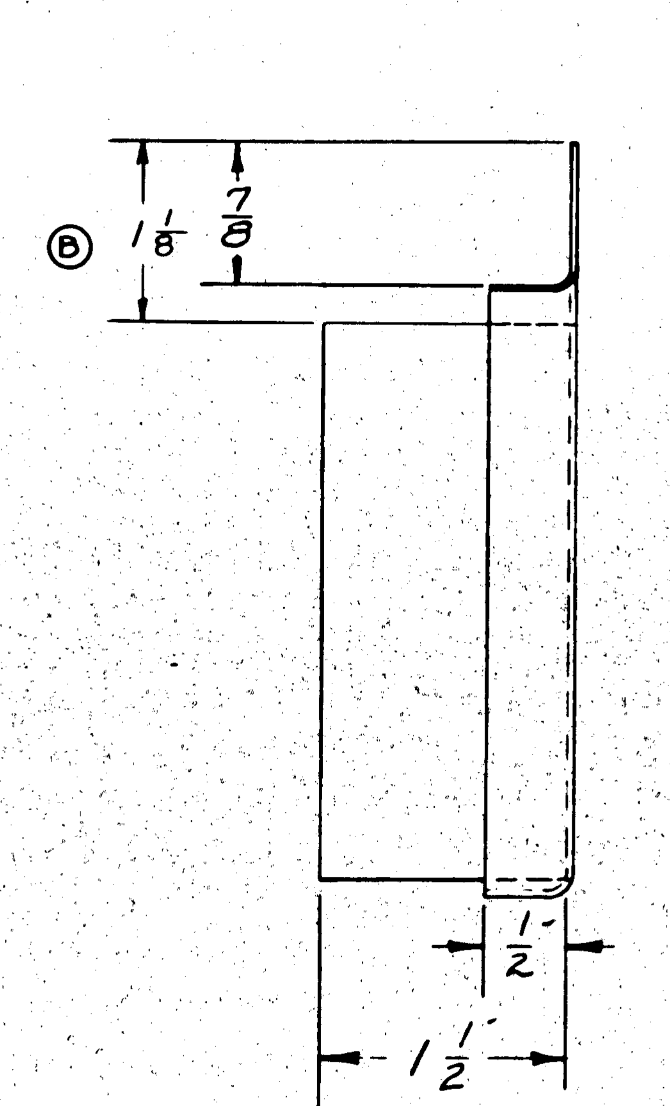
LET | ALTERATION | DATE | BY
A | CHANGED SHAPE OF SLOT
B | 1 7/8 DIM. WAS 1 3/4, WT CHG. NEG. | 8-21-42
E.O.A52849
SECTION B ~ B
SCALE 12" = 1 FT. 0 IN.
7/8
1/8 R
.057
5/8
REFERENCE LINE
2 35/64
6 9/16
PT. No.
1 7/64
1 5/64
11/16
21/32
B
A
STA. #6
20 25/32
#6.2
#6.4
20 21/32
#6.6
#6.8
20 25/32 (REF)
STA. #7
103 25/32
FINISH CODE
Z | ANODIC TREATMENT
P | P-27 PRIMER
AP | ALUMINIZED PRIMER
C | CADMIUM PLATE
13/16
℄ B.F.
1/8 R
1 7/8
5/8
1/16
DETAIL A
SCALE 12" = 1 FT. 0 IN.
* PLANES #1241 - #1243
PBY-4 (29-31 INCL.)
-4/R | 28-5AMN | 28B4126 | 1 EA
-4/R | 28-5AMC | | 1 EA
-4/R | 28-5MN | | 1 EA
-4/R | 28-5ME | | 1 EA
-4/R | 28-5MG | | 1 EA
-4/R | 28-5MA | | 1 EA
-4/R | PBY-5B | | 1 EA
-4/R | PBY-5A | 28B4126 | 1 EA
R | PBY-5 | 28B4126 | 1
L | PBY-5 | | 1
*R | PBY-4 | 28B4126
*L | PBY-4 | 28B4126
O.H. | MODEL | NEXT ASSY. | REQ. | STD PARTS | LH RH REQ. | PART NO. | REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.
REPLACES | APPROVED | DATE 1-4-39
REPLACED BY | CALC. WT. | ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 3" = 1 FT 0 IN AND NOTED
AC
NAVY | AL ALLOY | 17ST COND. A | SR. - 53 | ZP 2
MATERIAL | SPEC. | HEAT TREAT | FINISH | DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN
CHANNEL-HULL-WAIST GUN TURRET CUTOUT LOWER
OPP. HAND 28B4122R
DWG. SIZE D
28B4122



LET | ALTERATION | DATE | BY
A | CHANGED SHAPE OF SLOTS | 10-25-39 | WRG.
EDC 13980
B | DIM 3/16 R WAS 1/8 R IN SEC. A-A | 9-25-41 | HOLLAND
C | 11/16 DIM. WAS 5/8; 5/32 R. WAS 1/8 R; 1 3/4 DIM. WAS 1 11/16 NEG. WT. CHG | 6-10-43 | PUTNAM
STA #6
#6.2
#6.4
#6.6
#6.8
STA. #7
A
C 11/16
1/16
1 3/4 C
A
13/16
5/32 R
C
A
20 3/8
20 3/8
20 1/4
20 3/8
20 3/8 REF.
101 3/4
.065
3 7/8
7/8
B 3/16 R
SECTION A~A
GP-GREEN PRIME
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
PLANES #1241-#1243
PBY-A (29-31)
R | 285 MN | 28B4126 | 1
L | 285 MN | | 1
R | 285 MC | | 1
L | 285 MC | | 1
R | 285 ME | | 1
L | 285 ME | | 1
R | 285 MA | | 1
L | 285 MA | | 1
R | 285 AMC | | 1
L | 285 AMC | | 1
-R | PBY-5B | | 1
-L | PBY-5B | | 1
-R | PBY5 A | 28B4126 | 1
L | PBY5-A | 28B4126 | 1
-R | PBY-5 | 28B4126-2 | 1
L | PBY-5 | 28B4126-2 | 1
-R | PBY-4 | 28B4126
L | PBY-4 | 28B4126
O.H. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
ST'D PARTS | LH RH REQ. | PART NO. | LH RH REQ.
MAT. | PARTS LIST PER ASSY.
REPLACES
REPLACED BY
APPROVED 1-4-39 DATE
M.N.S.
CALC. WT.
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
12" = 1'0" SCALE
AC
NAVY .064 AL ALLOY | 47A10 COND. T | | ZP 2AL
MATERIAL | SPEC. | HEAT TREAT | FINISH
DRAFT | CHECK | EXAM. | ENG.
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN
ANGLE-HULL-WAIST GUN TURRET CUTOUT-UPPER
OPP. HAND 28B4123-R
DWG. SIZE D
28B4123

LET	ALTERATION	DATE	BY
A	CHANGED DIMENSION 6" TO 4 3/8"	10-25-39	WRG
B	ADDED DIMS. 5/8 & 1 1/8 WT. CHG. NEG	8-19-43	[illegible]





BEND RADII 1/8

GP-GREEN PRIME

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

PLANES #1241 - #1243
PBY-4 (29-31)

O.H.	MODEL	NEXT ASSY.	REQ.
L&R	28-5MA&5MC	28B4126	2EA
L&R	28-5MN&ME	28B4126	2EA
L&R	28-5AMC&AMH	28B4126	2EA
-R	PBY-5A&B	28B4126	2EA
-L	PBY-5A&B	28B4126	2EA
-R	PBY-5	28B4126	2
	PBY-5	28B4126	2
-R	PBY-4	28B4126	
	PBY-4	28B4126	

REQUIREMENTS PER AIRPLANE

ST'D PARTS	REQ. LH	REQ. RH	PART NO.	REQ. LH	REQ. RH	REQ. LH	REQ. RH	REQ. LH	REQ. RH	REQ. LH	REQ. RH	REQ. LH	REQ. RH

MAT. — PARTS LIST PER ASSY.

REPLACES	APPROVED	DATE
	[illegible]	1-16-39

REPLACED BY	CALC. WT.	ACT. WT.

± 1/32 LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED

SCALE 12" = 1'-0"

MATERIAL	SPEC.	HEAT TREAT	FINISH
AC			
NAVY 051 AL. ALLOY	47A10 COND. T	NONE	Z-P-2GP

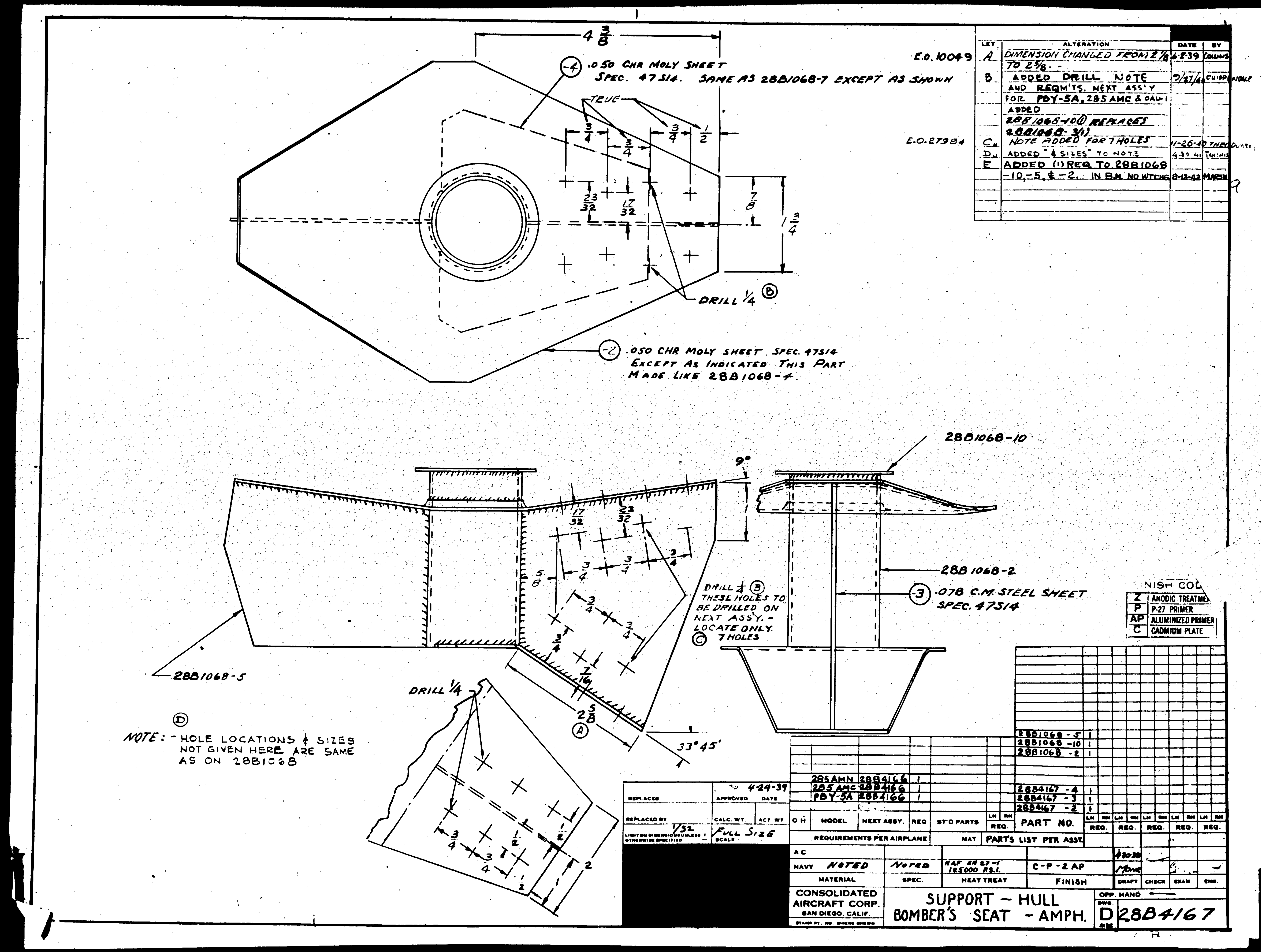
DRAFT	CHECK	EXAM.	ENG.
1-12-39 LEVMAN	[illegible]	[illegible]	[illegible]

CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN

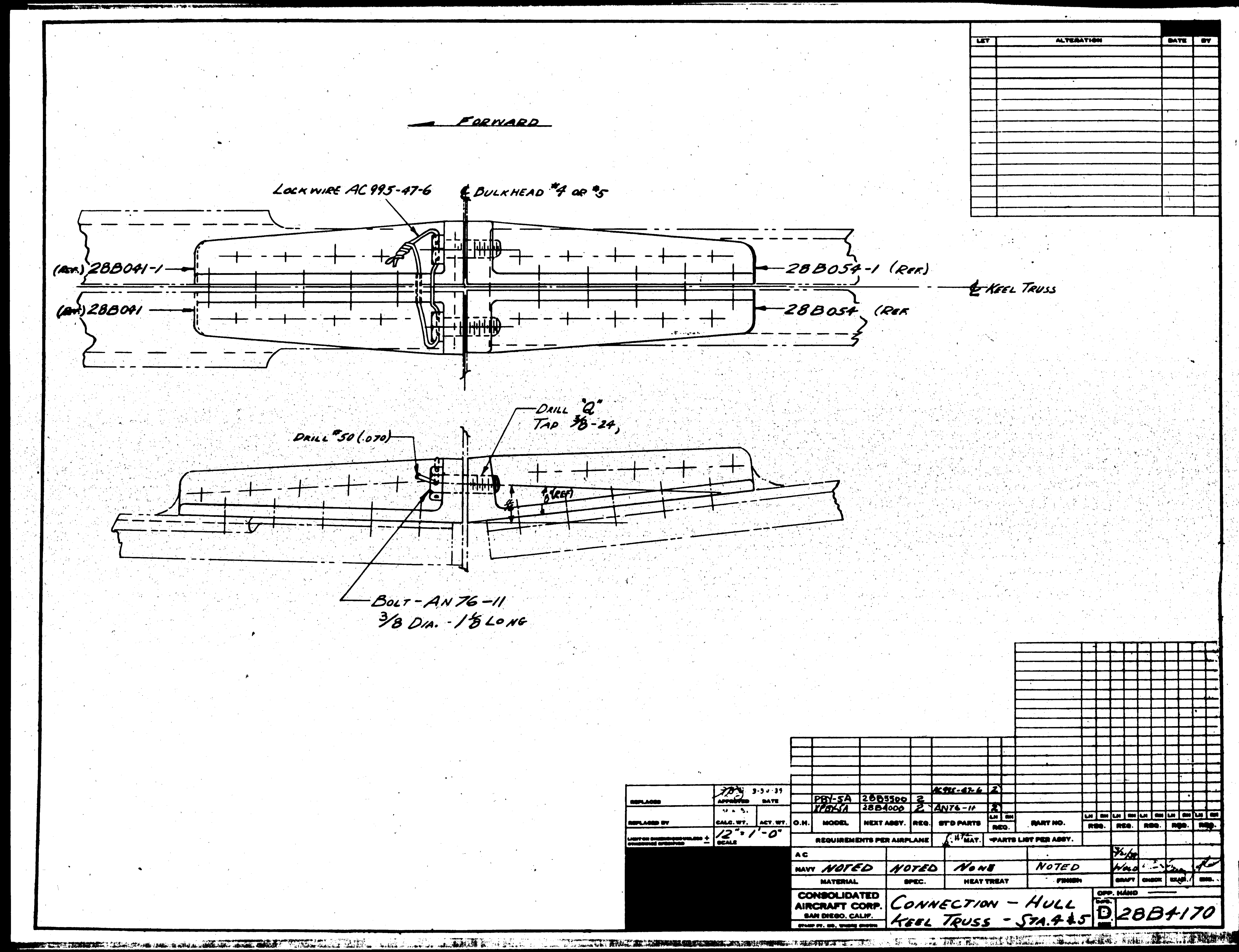
GUSSET-HULL-WAIST GUN TURRET-FRONT BRG.

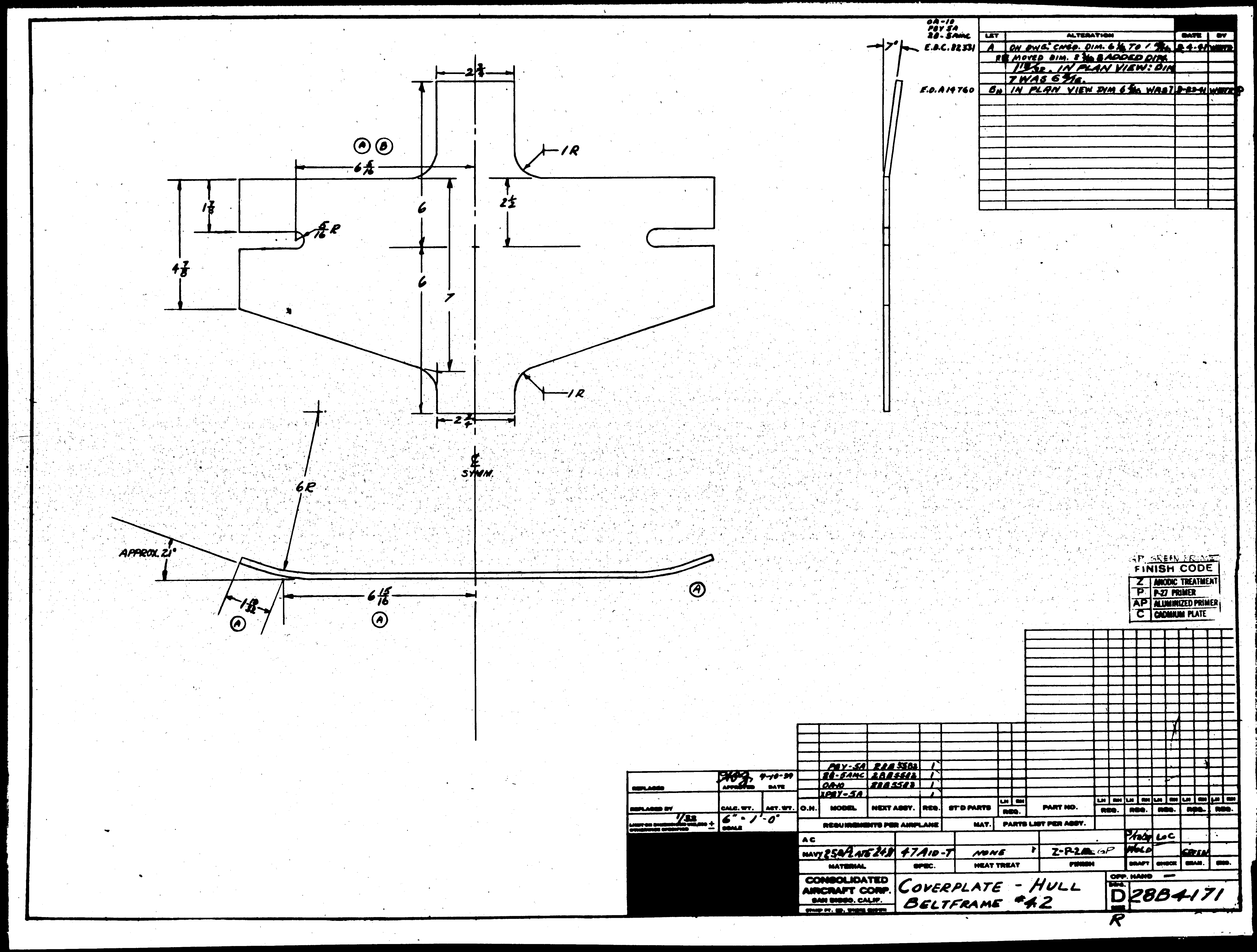
OPP. HAND 28B4136-R

DWG. SIZE D 28B4136

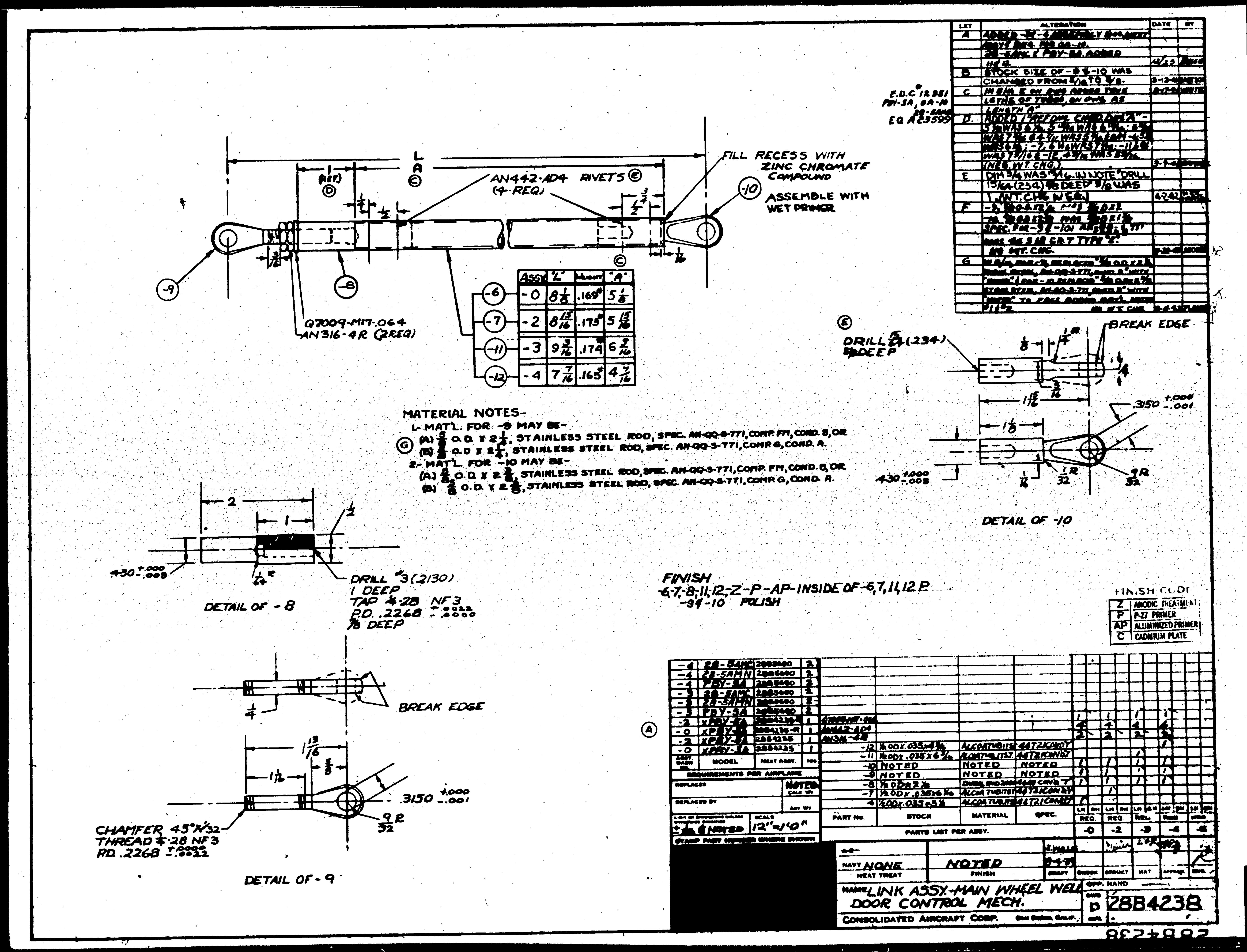


LET
ALTERATION
DATE
BY
E.O. 10049
A
DIMENSION CHANGED FROM 2 1/8 TO 2 5/8.
6-8-39
COLLINS
B
ADDED DRILL NOTE AND REQM'TS. NEXT ASS'Y FOR PBY-5A, 28-5 AMC & OA-1 ADDED
28B1068-10(1) REPLACES 28B1068-3(1)
9/27/40
CHIPPENDALE
E.O. 27984
C
NOTE ADDED FOR 7 HOLES
11-26-40
D
ADDED "& SIZES" TO NOTE
4-30-41
E
ADDED (1) REQ. TO 28B1068 -10, -5, & -2. IN B.M. NO WT CHG
8-12-42
MARSH
4 3/8
-4
.050 CHR MOLY SHEET SPEC. 47S14. SAME AS 28B1068-7 EXCEPT AS SHOWN
TRUE
3/4
3/4
3/4
1/2
23/32
17/32
7/8
1 3/4
DRILL 1/4 (B)
-2
.050 CHR MOLY SHEET SPEC. 47S14
EXCEPT AS INDICATED THIS PART MADE LIKE 28B1068-4.
28B1068-10
9°
17/32
23/32
5/8
3/4
3/4
3/4
DRILL 1/4 (B)
THESE HOLES TO BE DRILLED ON NEXT ASSY. - LOCATE ONLY.
(C) 7 HOLES
28B1068-2
-3
.078 C.M. STEEL SHEET SPEC. 47S14
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
28B1068-5
7/16
2 5/8
(A)
33°45'
DRILL 1/4
(D)
NOTE: - HOLE LOCATIONS & SIZES NOT GIVEN HERE ARE SAME AS ON 28B1068
3/4
3/4
1/2
2
2
1/2
REPLACES
APPROVED
4-24-39
DATE
REPLACED BY
CALC. WT.
ACT. WT.
1/32
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
FULL SIZE
SCALE
28-5 AMN 28B4166 1
28-5 AMC 28B4166 1
PBY-5A 28B4166 1
28B1068-5 1
28B1068-10 1
28B1068-2 1
28B4167-4 1
28B4167-3 1
28B4167-2 1
O H
MODEL
NEXT ASSY.
REQ
ST'D PARTS
LH RH REQ.
PART NO.
LH RH REQ.
REQUIREMENTS PER AIRPLANE
MAT
PARTS LIST PER ASSY.
A C
NAVY NOTED
NOTED
NAF SH 27-1 185000 P.S.I.
C-P-2 AP
4-20-39
MATERIAL
SPEC.
HEAT TREAT
FINISH
DRAFT
CHECK
EXAM.
ENG.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN
SUPPORT - HULL BOMBER'S SEAT - AMPH.
DWG. SIZE D
28B4167

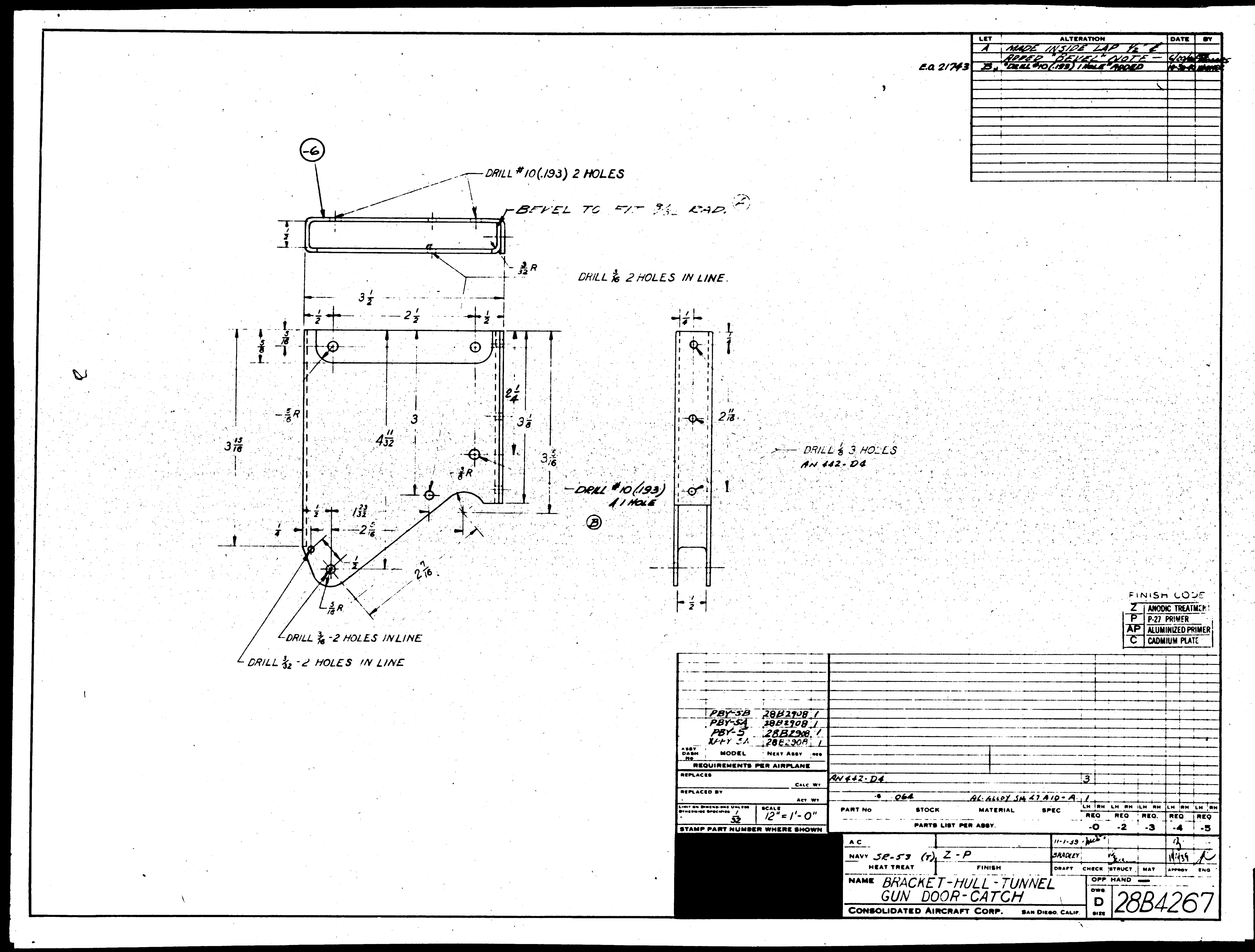

LET
ALTERATION
DATE
BY
FORWARD
LOCKWIRE AC995-47-6
℄ BULKHEAD #4 OR #5
(REF.) 28B041-1
(REF.) 28B041
28B054-1 (REF.)
28B054 (REF.
℄ KEEL TRUSS
DRILL "Q"
TAP 3/8-24
DRILL #50 (.070)
(REF)
BOLT - AN76-11
3/8 DIA. - 1 1/8 LONG
REPLACES
APPROVED
DATE
3-30-39
REPLACED BY
CALC. WT.
ACT. WT.
SCALE
12" = 1'-0"
PBY-5A
28B5500
2
XPBY-5A
28B4000
2
AC995-47-6
2
AN76-11
2
O.H.
MODEL
NEXT ASSY.
REQ.
ST'D PARTS
LH
RH
REQ.
PART NO.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
AC
NAVY
NOTED
NOTED
NONE
NOTED
MATERIAL
SPEC.
HEAT TREAT
FINISH
DRAFT
CHECK
ENG.
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
CONNECTION - HULL KEEL TRUSS - STA. 4 & 5
OPP. HAND
D
28B4170



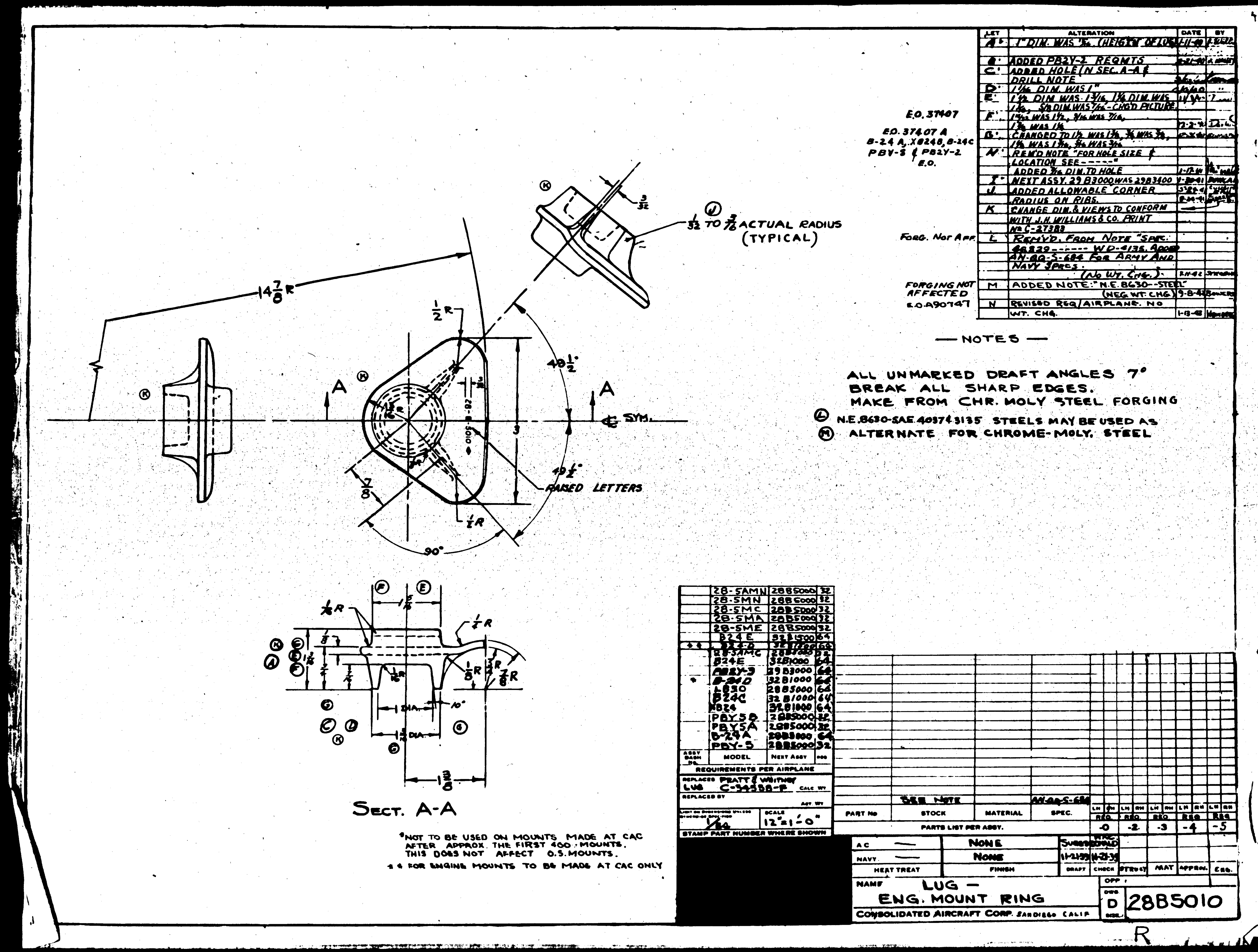
OA-10
PBY-5A
28-5AMC
E.O.C. 82331
E.O. A14760
LET | ALTERATION | DATE | BY
A | ON DWG. CHGD. DIM. 6 1/2 TO 1 … REMOVED DIM. … & ADDED DIM. … IN PLAN VIEW: DIM 7 WAS 6 …
B | IN PLAN VIEW DIM 6 … WAS 7
7°
2 3/4
1R
6 5/16
6
2 1/2
1 7/8
5/16 R
4 7/8
6
7
2 3/4
℄ SYMM.
6R
APPROX. 21°
6 15/16
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
PBY-5A 28B5582 1
28-5AMC 28B5582 1
OA-10 28B5582 1
XPBY-5A 1
REPLACED
APPROVED
DATE 9-10-39
REPLACED BY
CALC. WT.
ACT. WT.
1/32
SCALE 6" = 1'-0"
O.H.
MODEL
NEXT ASSY.
REQ.
ST'D PARTS
LH RH REQ.
PART NO.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
AC
NAVY 25 PLATE 24S
47A10-T
NONE
Z-P-2 GP
MATERIAL
SPEC.
HEAT TREAT
FINISH
DRAFT
CHECK
ENGR.
OPP. HAND —
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
COVERPLATE - HULL BELTFRAME #42
D 28B4171
R

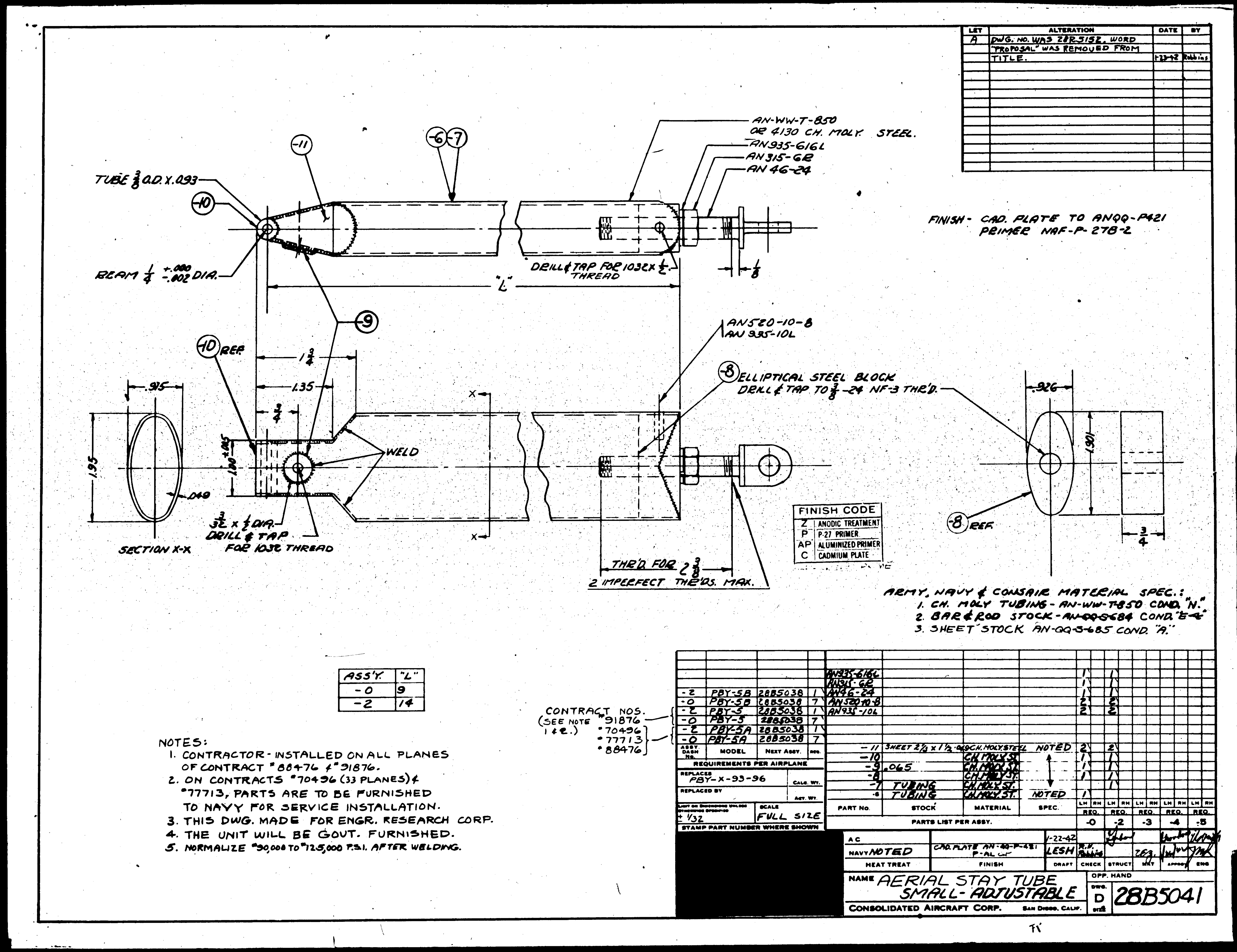


ASSY	"L"	WEIGHT	"A"
-0	8 1/8	.169#	5 1/8
-2	8 15/16	.175#	5 15/16
-3	9 3/16	.174#	6 3/16
-4	7 7/16	.165#	4 7/16

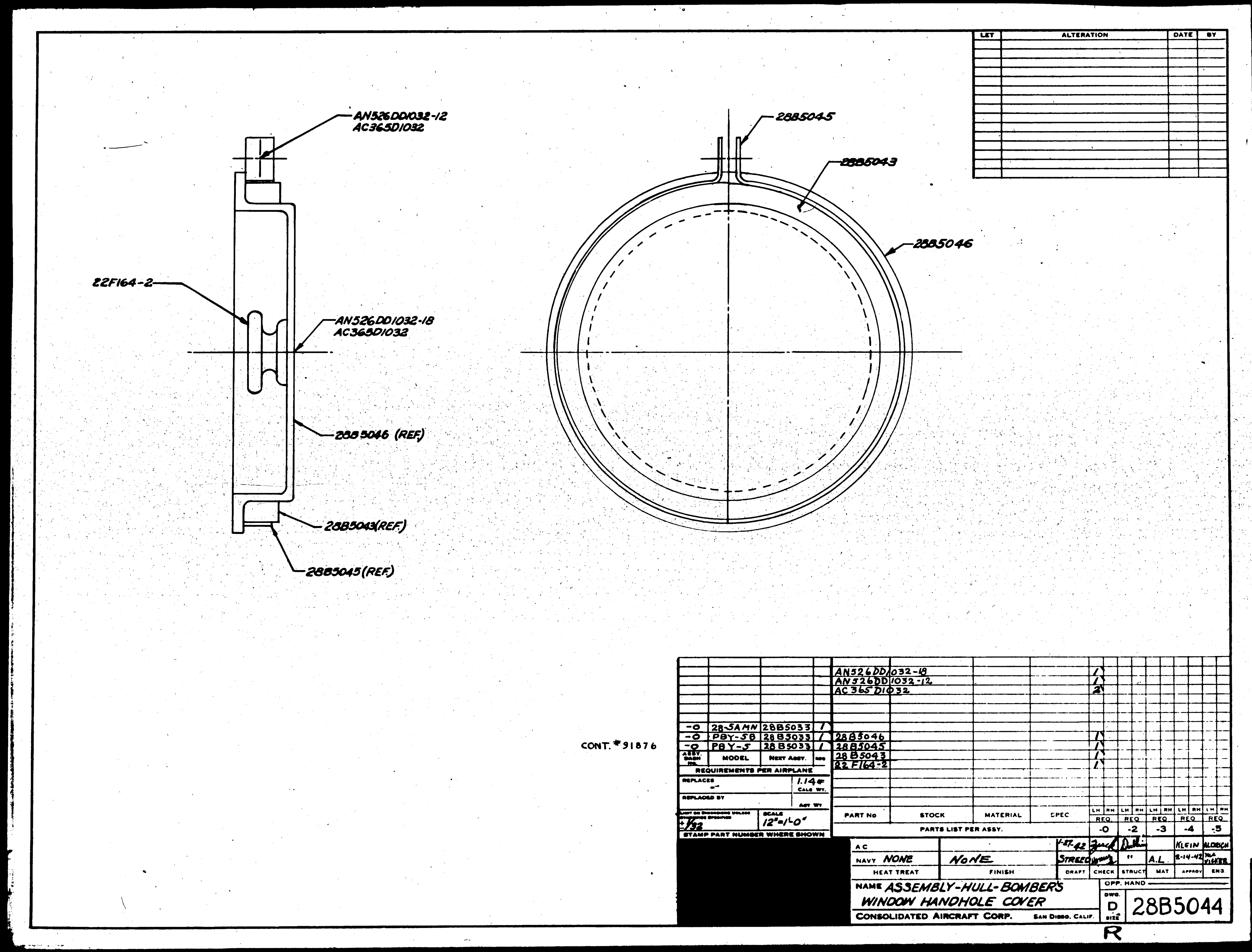


LET | ALTERATION | DATE | BY
A MADE INSIDE LAP 1/2" ℄
ADDED "BEVEL" NOTE
E.O. 21743 B "DRILL #10 (.193) 1 HOLE" ADDED
DRILL #10 (.193) 2 HOLES
BEVEL TO FIT 3 1/2 RAD.
DRILL 3/16 2 HOLES IN LINE.
DRILL 1/8 3 HOLES
AN 442-D4
DRILL #10 (.193) 1 HOLE
DRILL 3/16 -2 HOLES INLINE
DRILL 3/32 -2 HOLES IN LINE
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
PBY-5B 28B2908 1
PBY-5A 28B2908 1
PBY-5 28B2908 1
XPBY-5A 28B2908 1
ASSY DASH No | MODEL | NEXT ASSY | REQ
REQUIREMENTS PER AIRPLANE
REPLACES
CALC WT
REPLACED BY
ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
AN 442-D4 3
-6 .064 AL ALLOY SH 24 ST A10-A 1
PART No | STOCK | MATERIAL | SPEC | REQ -0 | REQ -2 | REQ. -3 | REQ -4 | REQ -5
PARTS LIST PER ASSY.
NAVY SR-53 (T) Z-P
HEAT TREAT FINISH
11-1-39 BRADLEY
DRAFT CHECK STRUCT MAT APPROV ENG
NAME BRACKET-HULL-TUNNEL GUN DOOR-CATCH
OPP HAND
D 28B4267
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

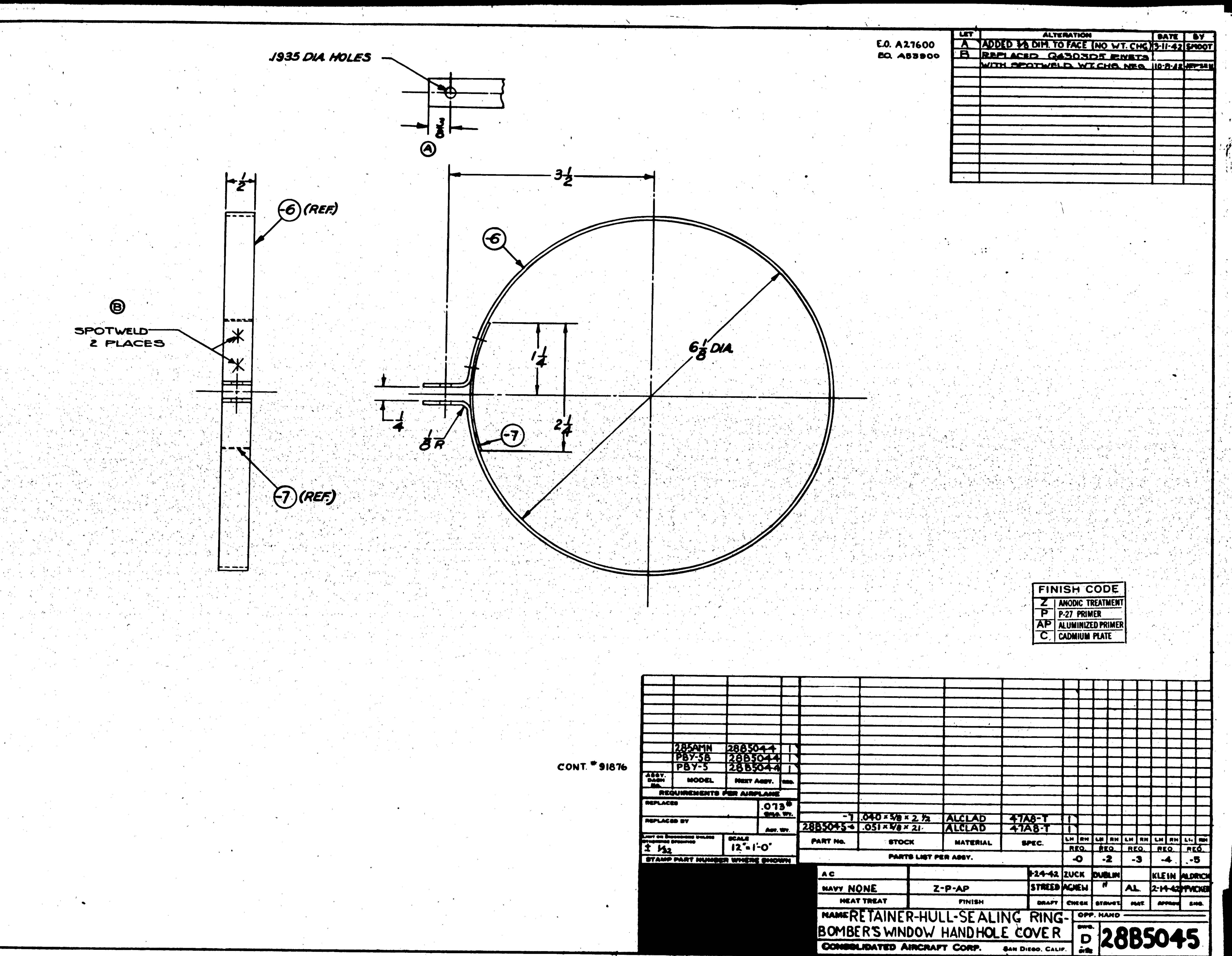

LET
ALTERATION
DATE
BY
ADDED PB2Y-2 REQMTS
ADDED HOLE IN SEC. A-A & DRILL NOTE
1 1/16 DIM. WAS 1"
CHANGE DIM. & VIEWS TO CONFORM WITH J.H. WILLIAMS & CO. PRINT № C-27383
NAVY SPECS.
(NO WT. CHG.)
M ADDED NOTE: "N.E. 8630--STEEL"
(NEG WT. CHG) 9-8-42
N REVISED REQ/AIRPLANE. NO WT. CHG. 1-13-43
E.O. 37407
E.O. 37407 A
B-24 A, X8248, B-24C
PBY-3 & PB2Y-2
E.O.
FORGING NOT AFFECTED
E.O.A90747
— NOTES —
ALL UNMARKED DRAFT ANGLES 7°
BREAK ALL SHARP EDGES.
MAKE FROM CHR. MOLY STEEL FORGING
N.E.8630-SAE.4037 & 3135 STEELS MAY BE USED AS
ALTERNATE FOR CHROME-MOLY. STEEL
14 7/8 R
1/2 R
49 1/2°
3
SYM.
RAISED LETTERS
7/8
90°
1/32 TO 3/16 ACTUAL RADIUS
(TYPICAL)
3/32
SECT. A-A
1 3/8
*NOT TO BE USED ON MOUNTS MADE AT CAC AFTER APPROX. THE FIRST 400 MOUNTS. THIS DOES NOT AFFECT O.S. MOUNTS.
** FOR ENGINE MOUNTS TO BE MADE AT CAC ONLY
28-5AMN 28B5000 32
28-5MN 28B5000 32
28-5MC 28B5000 32
28-5MA 28B5000 32
28-5ME 28B5000 32
B24E 32B1500 64
B24E 32B1000 64
PB2Y-3 29B3000 64
B-24D 32B1000 64
LB30 28B5000 64
B24C 32B1000 64
XB24 32B1000 64
PBY5B 28B5000 32
PBY5A 28B5000 32
B-24A 28B5000 64
PBY-5 28B5000 32
ASSY DASH NO.
MODEL
NEXT ASSY
REQUIREMENTS PER AIRPLANE
REPLACES PRATT & WHITNEY LUG C-34588-F
CALC. WT
REPLACED BY
ACT. WT
SCALE 12"=1'-0"
STAMP PART NUMBER WHERE SHOWN
SEE NOTE
AN-QQ-S-684
PART No
STOCK
MATERIAL
SPEC.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
AC NONE
NAVY NONE
HEAT TREAT
FINISH
DRAFT
CHECK
STRUCT
MAT
APPROV.
ENG.
NAME LUG — ENG. MOUNT RING
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF.
D 28B5010
R

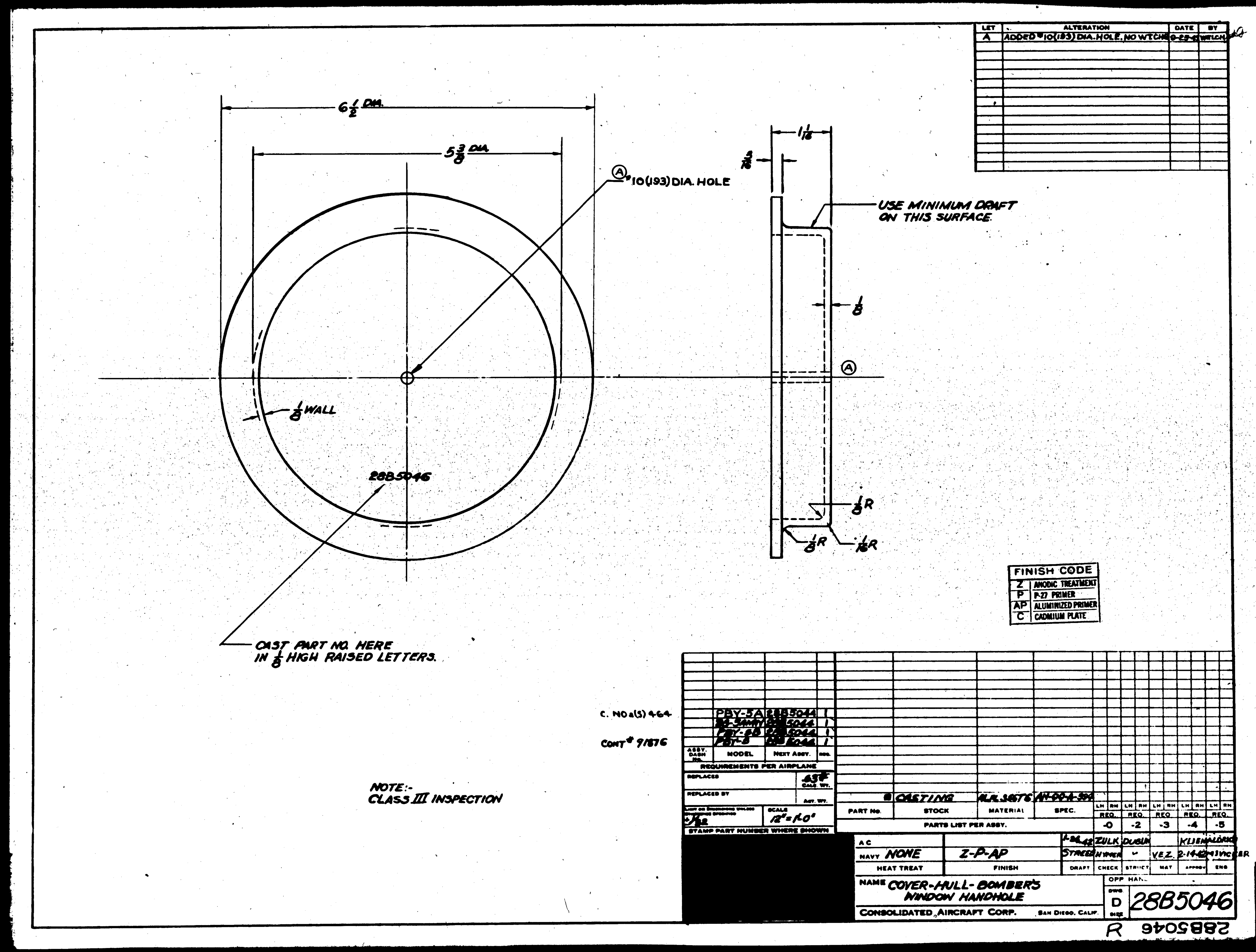


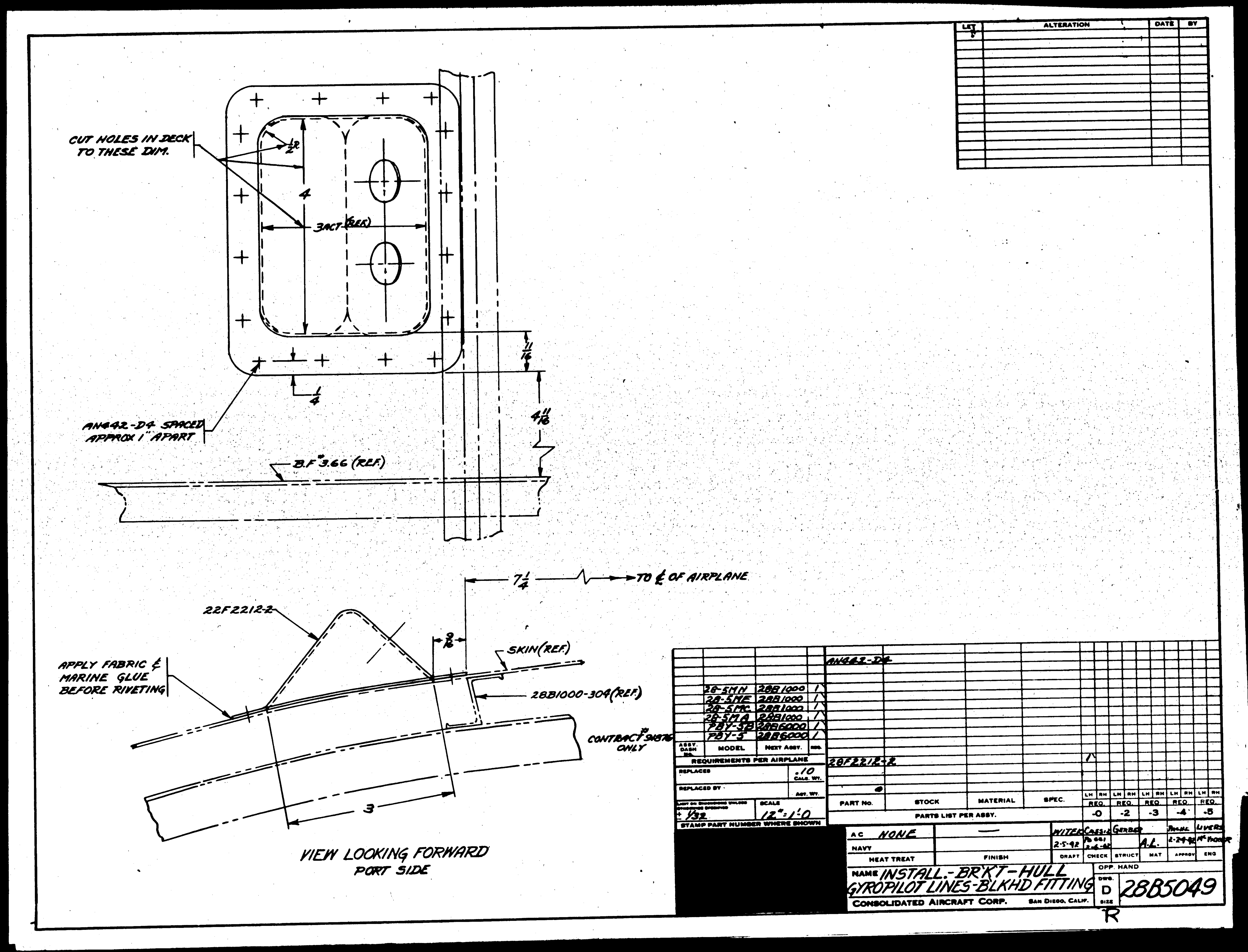
LET
ALTERATION
DATE
BY
A
DWG. NO. WAS 28R5152. WORD "PROPOSAL" WAS REMOVED FROM TITLE.
Robbins
AN-WW-T-850 OR 4130 CH. MOLY. STEEL.
AN935-616L
AN315-6R
AN46-24
-6 -7
-11
TUBE 3/8 O.D. X .093
-10
REAM 1/4 +.000 -.002 DIA.
DRILL & TAP FOR 1032 x 1/2 THREAD
"L"
1/8
FINISH - CAD. PLATE TO ANQQ-P421 PRIMER NAF-P-278-2
-9
AN520-10-8
AN935-10L
-10 REF.
1 3/4
1.35
3/4
.915
1.95
.049
SECTION X-X
X
WELD
3/32 x 1/2 DIA. DRILL & TAP FOR 1032 THREAD
-8 ELLIPTICAL STEEL BLOCK DRILL & TAP TO 3/8-24 NF-3 THR'D.
.926
1.901
3/4
-8 REF.
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
THR'D. FOR 2 3/8
2 IMPERFECT THR'DS. MAX.
ARMY, NAVY & CONSAIR MATERIAL SPEC.:
1. CH. MOLY TUBING - AN-WW-T-850 COND. "N."
2. BAR & ROD STOCK - AN-QQ-S-684 COND. "E-4"
3. SHEET STOCK AN-QQ-S-685 COND. "A."
ASS'Y. "L"
-0 9
-2 14
CONTRACT NOS. (SEE NOTE 1 & 2.) 91876 70496 77713 88476
-2 PBY-5B 28B5038 1
-0 PBY-5B 28B5038 7
-2 PBY-5 28B5038 1
-0 PBY-5 28B5038 7
-2 PBY-5A 28B5038 1
-0 PBY-5A 28B5038 7
ASSY DASH No. MODEL NEXT ASSY. REQ.
REQUIREMENTS PER AIRPLANE
AN935-616L
AN315-6R
AN46-24
AN520-10-8
AN935-10L
-11 SHEET 2 1/2 x 1 1/2 .049 CH. MOLY STEEL NOTED
-10 CH. MOLY ST.
-9 .065 CH. MOLY ST.
-8 CH. MOLY ST.
-7 TUBING CH. MOLY ST.
-6 TUBING CH. MOLY ST. NOTED
PART No. STOCK MATERIAL SPEC.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
REPLACES PBY-X-93-96
REPLACED BY
SCALE FULL SIZE
± 1/32
STAMP PART NUMBER WHERE SHOWN
NOTES:
1. CONTRACTOR - INSTALLED ON ALL PLANES OF CONTRACT #88476 & #91876.
2. ON CONTRACTS #70496 (33 PLANES) & #77713, PARTS ARE TO BE FURNISHED TO NAVY FOR SERVICE INSTALLATION.
3. THIS DWG. MADE FOR ENGR. RESEARCH CORP.
4. THE UNIT WILL BE GOVT. FURNISHED.
5. NORMALIZE #90,000 TO #125,000 P.S.I. AFTER WELDING.
NAVY NOTED
HEAT TREAT
CAD. PLATE AN-QQ-P-421 P-AL
FINISH
1-22-42
LESH
DRAFT CHECK STRUCT APPROV ENG
NAME AERIAL STAY TUBE SMALL - ADJUSTABLE
OPP. HAND
D
28B5041
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



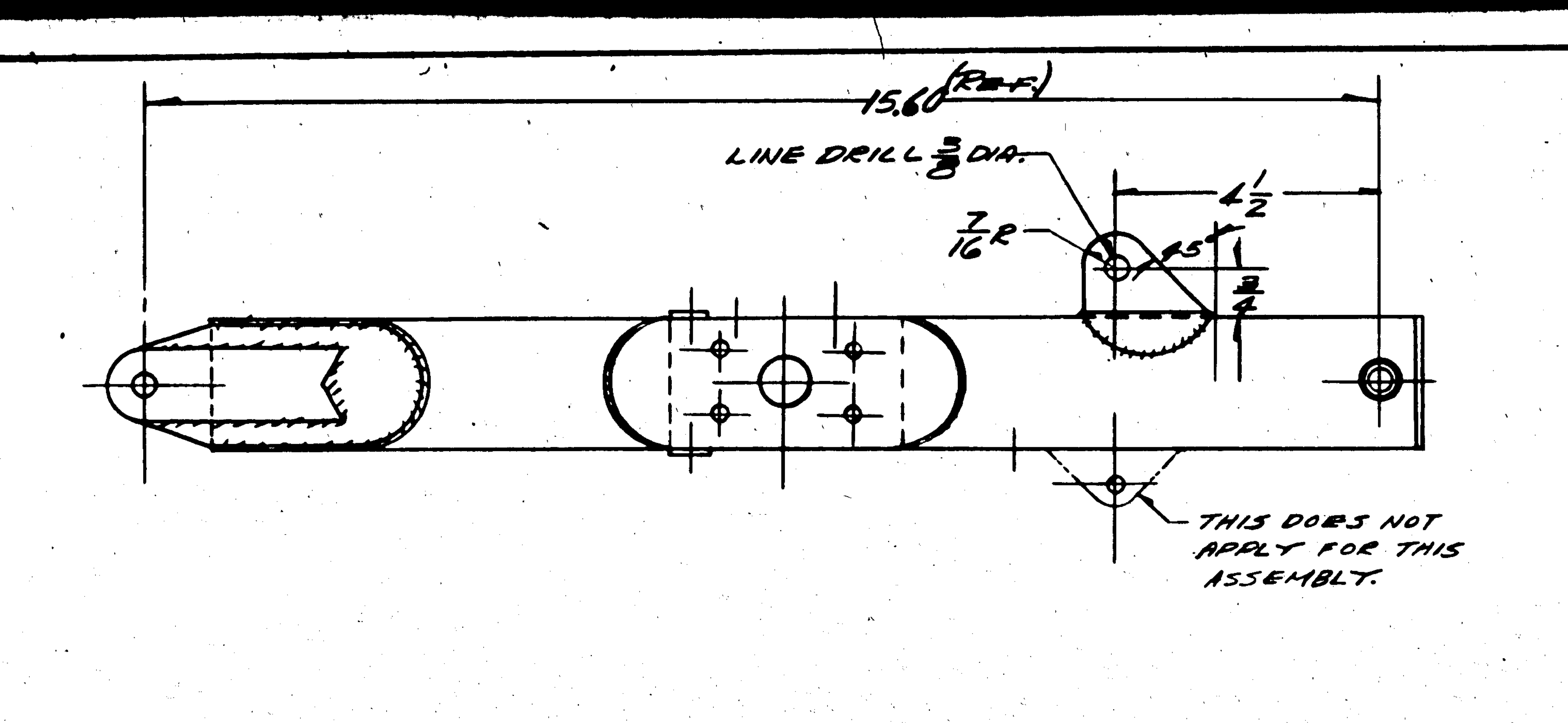
LET
ALTERATION
DATE
BY
AN526DD1032-12
AC365D1032
22F164-2
AN526DD1032-18
AC365D1032
28B5046 (REF.)
28B5043(REF.)
28B5045(REF.)
28B5045
28B5043
28B5046
CONT. # 91876
AN526DD 1032-18 1
AN526DD 1032-12 1
AC365D1032 2
-0 28-5AMN 28B5033 1
-0 PBY-5B 28B5033 1 28B5046 1
-0 PBY-5 28B5033 1 28B5045 1
ASSY. DASH NO. MODEL NEXT ASSY. REQ 28B5043 1
22F164-2 1
REQUIREMENTS PER AIRPLANE
REPLACES
1.14# CALC WT.
REPLACED BY
ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±1/32
SCALE 12"=1'-0"
STAMP PART NUMBER WHERE SHOWN
PART No STOCK MATERIAL SPEC
LH RH REQ. -0 | LH RH REQ -2 | LH RH REQ -3 | LH RH REQ -4 | LH RH REQ -5
PARTS LIST PER ASSY.
AC
NAVY NONE
HEAT TREAT
NONE
FINISH
1-27-42 STREED DRAFT
CHECK
" STRUCT
A.L. MAT
KLEIN 2-14-42 APPROV
ALDRICH VICKER ENG.
NAME ASSEMBLY-HULL-BOMBER'S WINDOW HANDHOLE COVER
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP. HAND
DWG. D SIZE
28B5044
R

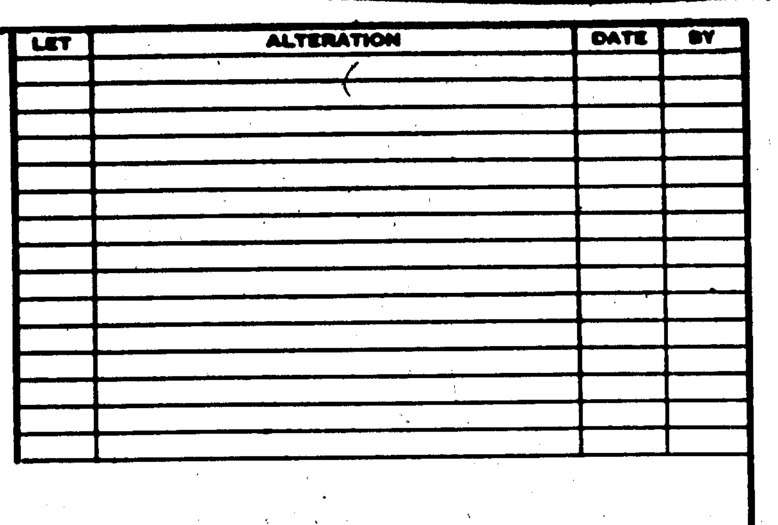

.1935 DIA HOLES
3/8
(A)
1/2
-6 (REF.)
-6
3 1/2
(B)
SPOTWELD 2 PLACES
1 1/4
6 1/8 DIA
2 1/4
1/4
1/8 R
-7
-7 (REF.)
E.O. A27600
EO. A53900
LET
ALTERATION
DATE
BY
A
ADDED 3/8 DIM. TO FACE (NO WT. CHG)
3-11-42
SMOOT
B
REPLACED Q430305 RIVETS WITH SPOTWELD. WT. CHG. NEG.
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
CONT. # 91876
28SAMN 28B5044 1
PBY-5B 28B5044 1
PBY-5 28B5044 1
MODEL
NEXT ASSY.
REQUIREMENTS PER AIRPLANE
REPLACES
REPLACED BY
.073#
± 1/32
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
-7 .040 × 5/8 × 2 1/2 ALCLAD 47A8-T 1
28B5045-6 .051 × 5/8 × 21 ALCLAD 47A8-T 1
PART No.
STOCK
MATERIAL
SPEC.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
NAVY NONE
Z-P-AP
HEAT TREAT
FINISH
1-24-42
ZUCK
DUBLIN
KLEIN
ALDRICH
STREED
AGNEW
AL
2-14-42
DRAFT
CHECK
STRUCT.
APPROV.
ENG.
NAME RETAINER-HULL-SEALING RING-BOMBER'S WINDOW HANDHOLE COVER
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
D
28B5045
R

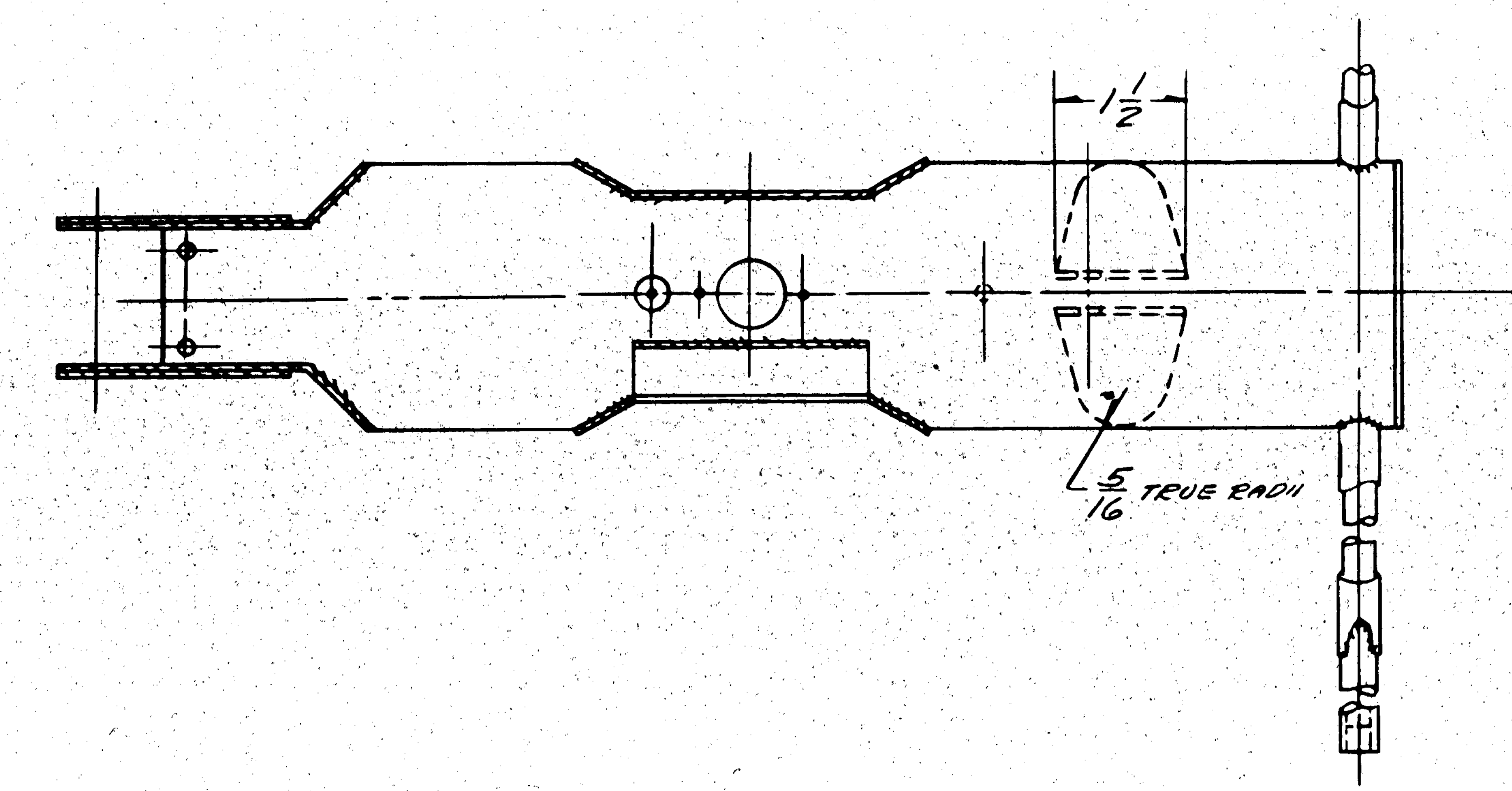

LET
ALTERATION
DATE
BY
A
ADDED #10(193) DIA. HOLE, NO WTCH
6 1/2 DIA.
5 3/8 DIA.
Ⓐ #10(193) DIA. HOLE
1 1/16
3/16
USE MINIMUM DRAFT ON THIS SURFACE.
1/8
Ⓐ
1/8 WALL
28B5046
1/8 R
1/8 R
1/16 R
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
CAST PART NO. HERE IN 1/8 HIGH RAISED LETTERS.
C. NOa(S) 464
CONT# 91876
NOTE:- CLASS III INSPECTION
PBY-5A 28B5044 1
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.65# CALC. WT.
REPLACED BY
ACT. WT.
SCALE 12" = 1.0"
STAMP PART NUMBER WHERE SHOWN
CASTING
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
ZULK
KLIEN
AC
NAVY NONE
Z-P-AP
V.E.Z.
HEAT TREAT
FINISH
DRAFT
CHECK
STRUCT
MAT
APPROV
ENG
OPP HAND
NAME COVER-HULL-BOMBER'S WINDOW HANDHOLE
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
DWG. D SIZE
28B5046
R 28B5046

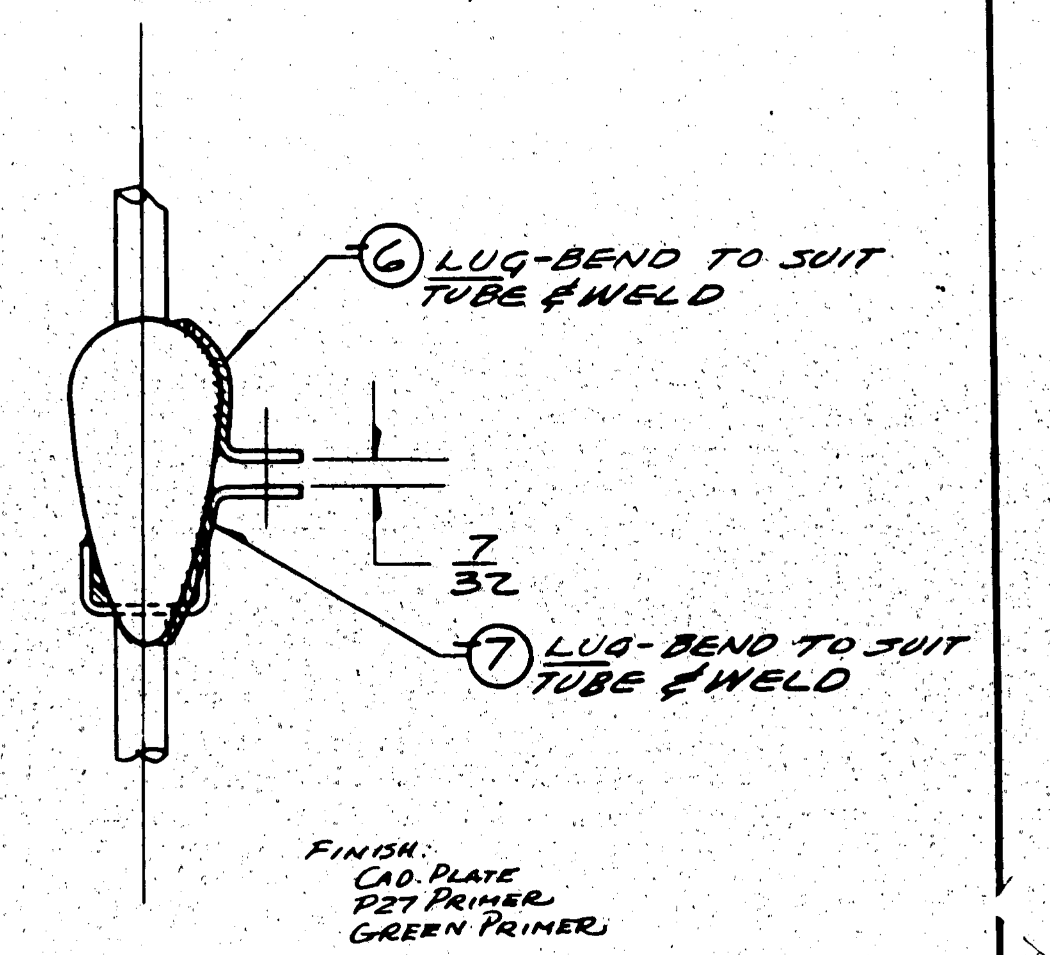


LET
ALTERATION
DATE
BY
CUT HOLES IN DECK TO THESE DIM.
1/2 R
4
3ACT (REF.)
11/16
1/4
4 11/16
AN442-D4 SPACED APPROX 1" APART
B.F. 3.66 (REF.)
7 1/4
TO ℄ OF AIRPLANE
22F2212-2
9/16
SKIN (REF.)
APPLY FABRIC & MARINE GLUE BEFORE RIVETING
28B1000-304 (REF.)
CONTRACT 91876 ONLY
3
VIEW LOOKING FORWARD
PORT SIDE
28-5MN 28B1000 1
28-5ME 28B1000 1
28-5MC 28B1000 1
28-5MA 28B1000 1
PBY-5B 28B6000 1
PBY-5 28B6000 1
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQUIREMENTS PER AIRPLANE
AN442-D4
28F2212-2
REPLACES
.10 CALC. WT.
REPLACED BY
ACT. WT.
± 1/32
SCALE 12"=1'-0
STAMP PART NUMBER WHERE SHOWN
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ. -0
LH RH REQ. -2
LH RH REQ. -3
LH RH REQ. -4
LH RH REQ. -5
PARTS LIST PER ASSY.
AC NONE
NAVY
HEAT TREAT
FINISH
WITEK 2-5-42
DRAFT
CHECK
STRUCT
MAT
APPROV
ENG
GERBER
A.L.
LIVERS
OPP. HAND
NAME INSTALL.-BRKT-HULL GYROPILOT LINES-BLKHD FITTING
DWG. SIZE D
28B5049
R
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.









FINISH:
CAD. PLATE
P27 PRIMER
GREEN PRIMER

CONTRACT NOS. SEE NOTES 3 & 4.
#91876
#70496
#77713
#88476

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5B	28B5038	1
	PBY-5	28B5038	1
	PBY-5A	28B5038	1

REQUIREMENTS PER AIRPLANE

REPLACES PBY-X-186	CALC. WT.
REPLACED BY	ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 & 1/2° — SCALE 6"-1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 LH REQ.	-0 RH REQ.	-2 LH REQ.	-2 RH REQ.	-3 LH REQ.	-3 RH REQ.	-4 LH REQ.	-4 RH REQ.	-5 LH REQ.	-5 RH REQ.
PBY-X-186				1									
-7	.083X1⅝X3½	CH. MOLY.	AN-QQ-S-685 CD…	1									
-6	.083X1⅝X3½	CH. MOLY.	AN-QQ-S-685 CD…	1									

PARTS LIST PER ASSY.

[redacted]

AC						
NAVY NOTED	CAD. PLATE AN-QQ-P-421 P-…GP	1/23/…				
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV. / ENG

NAME STRUT-YAGI BROADSIDE RECEIVER-ARRAY

OPP. HAND ———

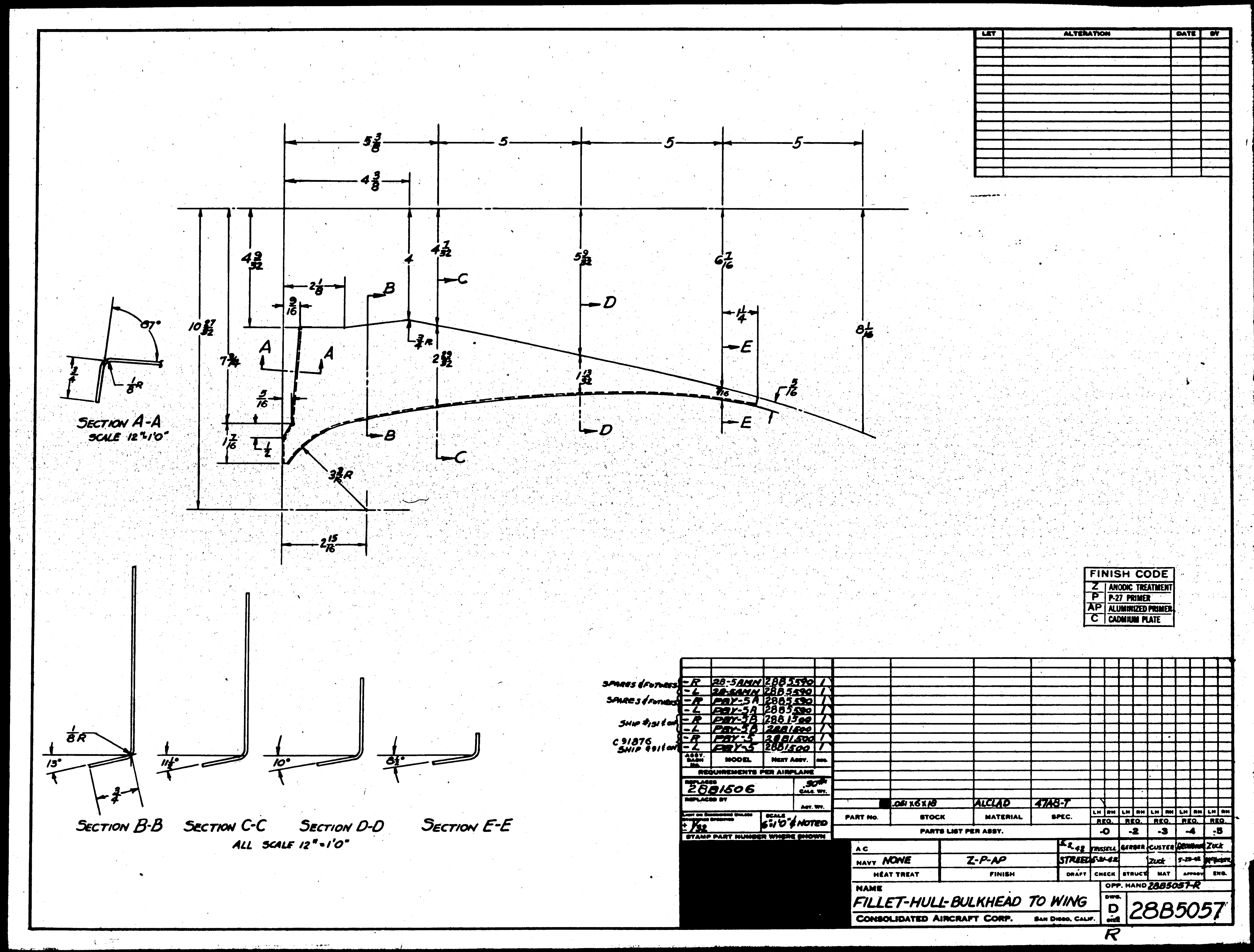
DWG. SIZE D 28B5054

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

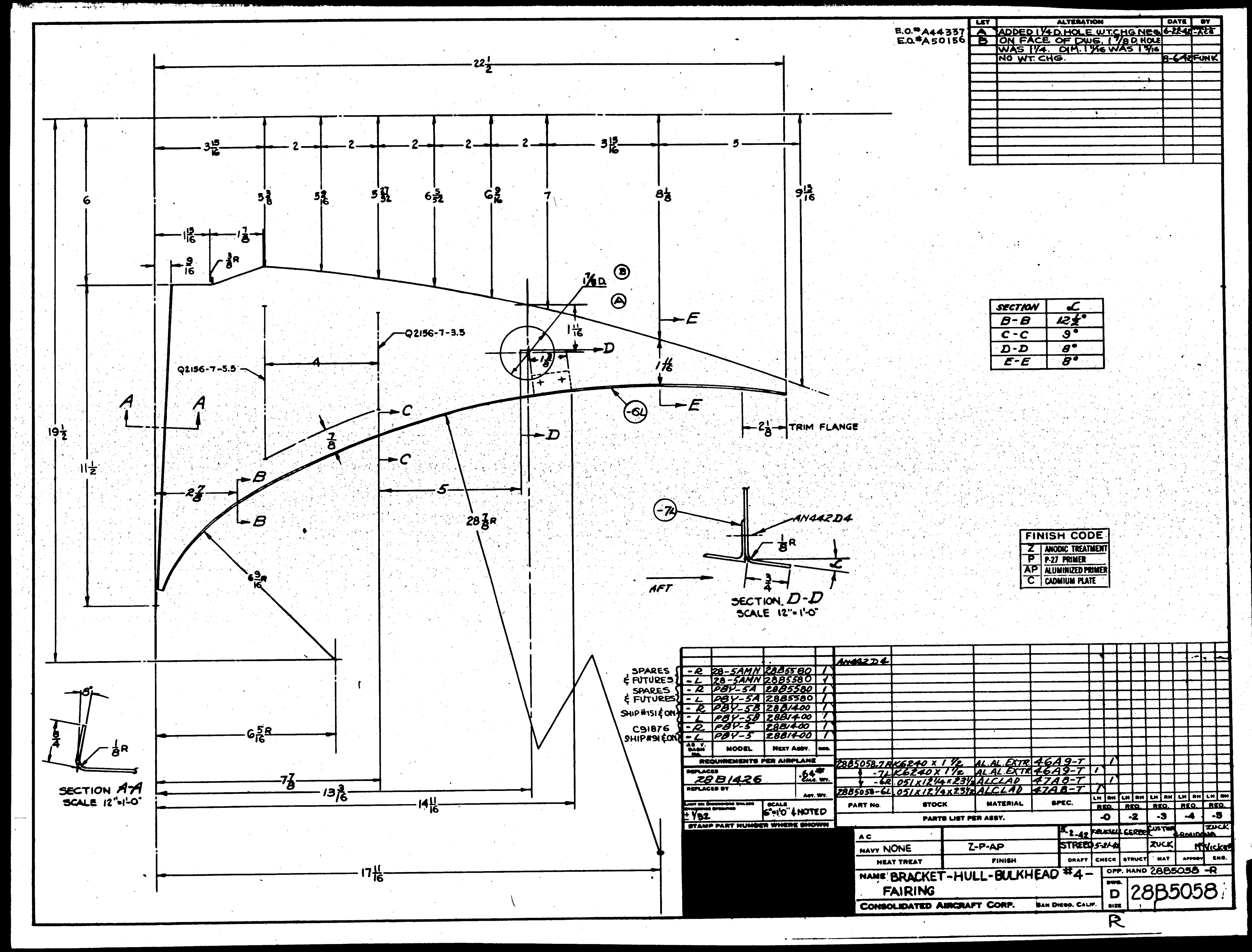
R

NOTES:

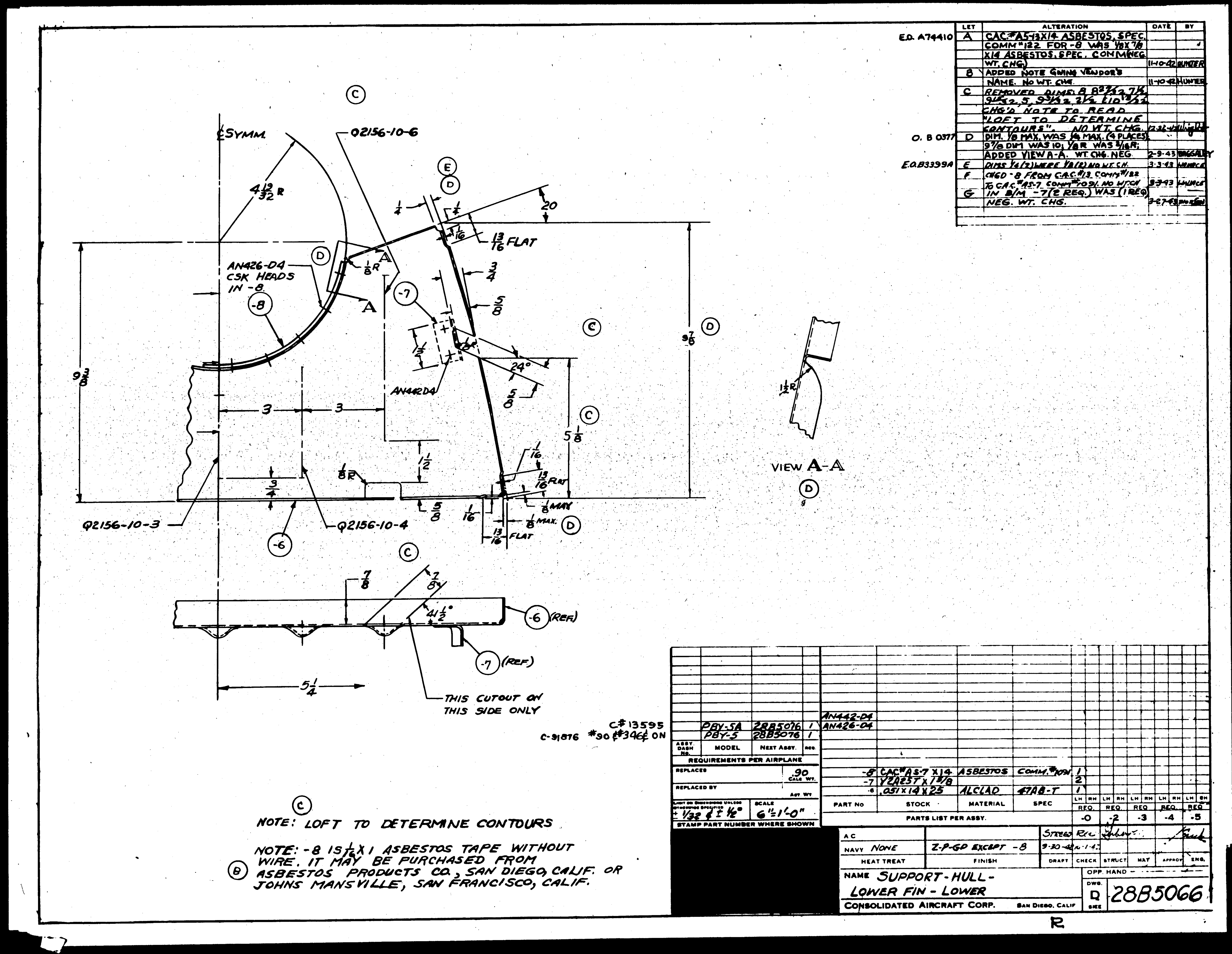
1. THIS ASSEMBLY SAME AS DRWG. PBY-X-186 (PORT) EXCEPT AS SHOWN.
2. THIS DWG. MADE FOR ENGR. RESEARCH CORP.
3. THE STRUT WILL BE GOVT. FURNISHED.
4. NORMALIZE #90,000 TO #125,000 P.S.I. AFTER WELDING.
5. CONTRACTOR-INSTALLED ON ALL PLANES OF CONTRACTS #88476 & #91876.
6. ON CONTRACTS #70496 (33 PLANES) & #77713, PARTS ARE TO BE FURNISHED TO NAVY FOR SERVICE INSTALLATION.



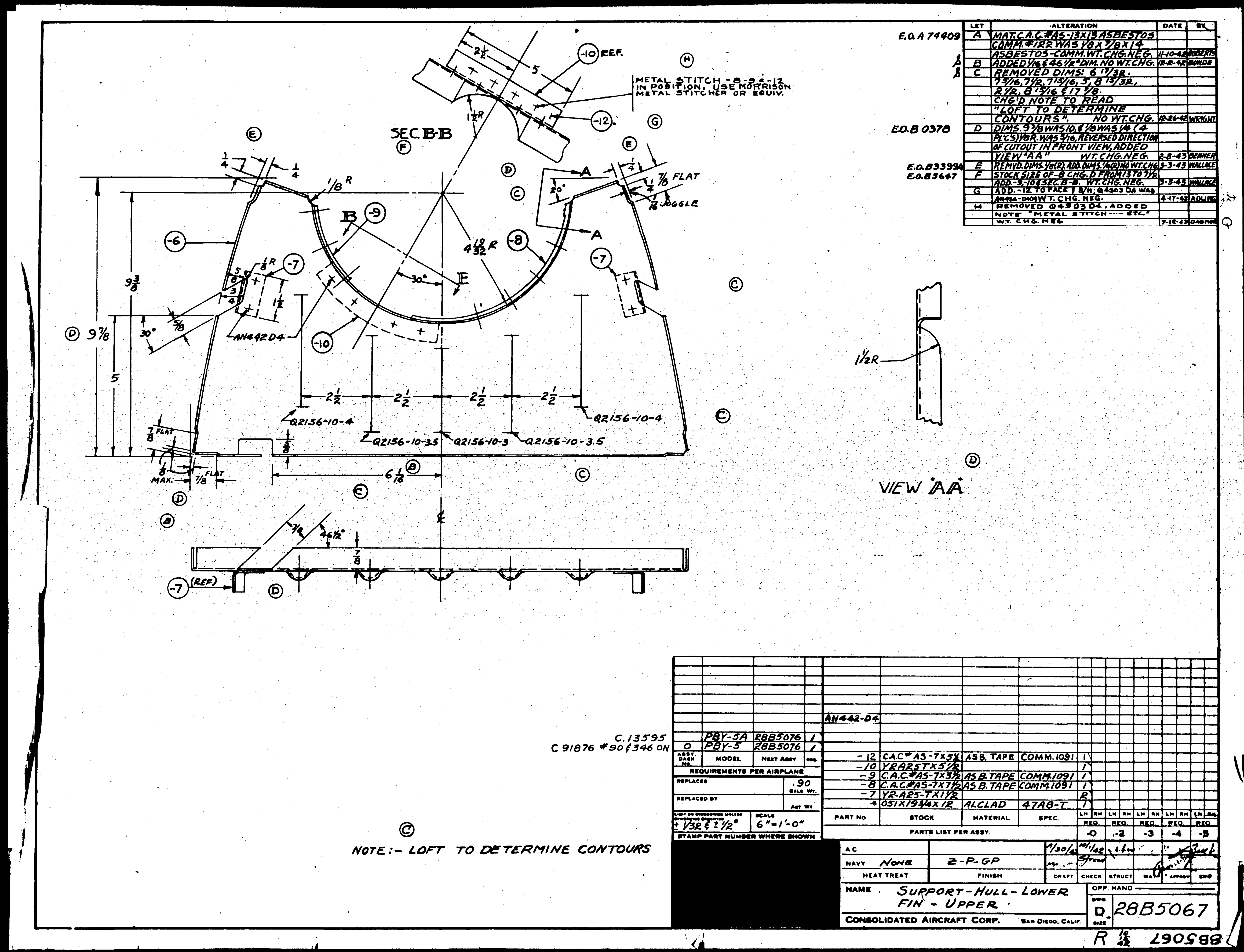
LET
ALTERATION
DATE
BY
SECTION A-A
SCALE 12"=1'0"
87°
1/8 R
3 1/2 R
SECTION B-B
SECTION C-C
SECTION D-D
SECTION E-E
ALL SCALE 12"=1'0"
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
SPARES & FUTURES
SPARES & FUTURES
SHIP #191 & on
C 91876
SHIP #91 & on
-R 28-5AMN 28B5590 1
-L 28-5AMN 28B5590 1
-R PBY-5A 28B5590 1
-L PBY-5A 28B5590 1
-R PBY-5B 28B1500 1
-L PBY-5B 28B1500 1
-R PBY-5 28B1500 1
-L PBY-5 28B1500 1
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES 28B1506
.90# CALC. WT.
REPLACED BY
ACT. WT.
± 1/32
SCALE 6"=1'0" & NOTED
STAMP PART NUMBER WHERE SHOWN
.051 X 6 X 18
ALCLAD
47A8-T
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ. -0
LH RH REQ. -2
LH RH REQ. -3
LH RH REQ. -4
LH RH REQ. -5
PARTS LIST PER ASSY.
A C
NAVY NONE
HEAT TREAT
Z-P-AP
FINISH
DRAFT
CHECK
STRUCT
MAT
APPROV
ENG.
TRUSSELL
GERBER
CUSTER
Zuck
STREED 5-21-42
5-29-42
NAME
FILLET-HULL-BULKHEAD TO WING
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
OPP. HAND 28B5057-R
DWG. SIZE D
28B5057
R



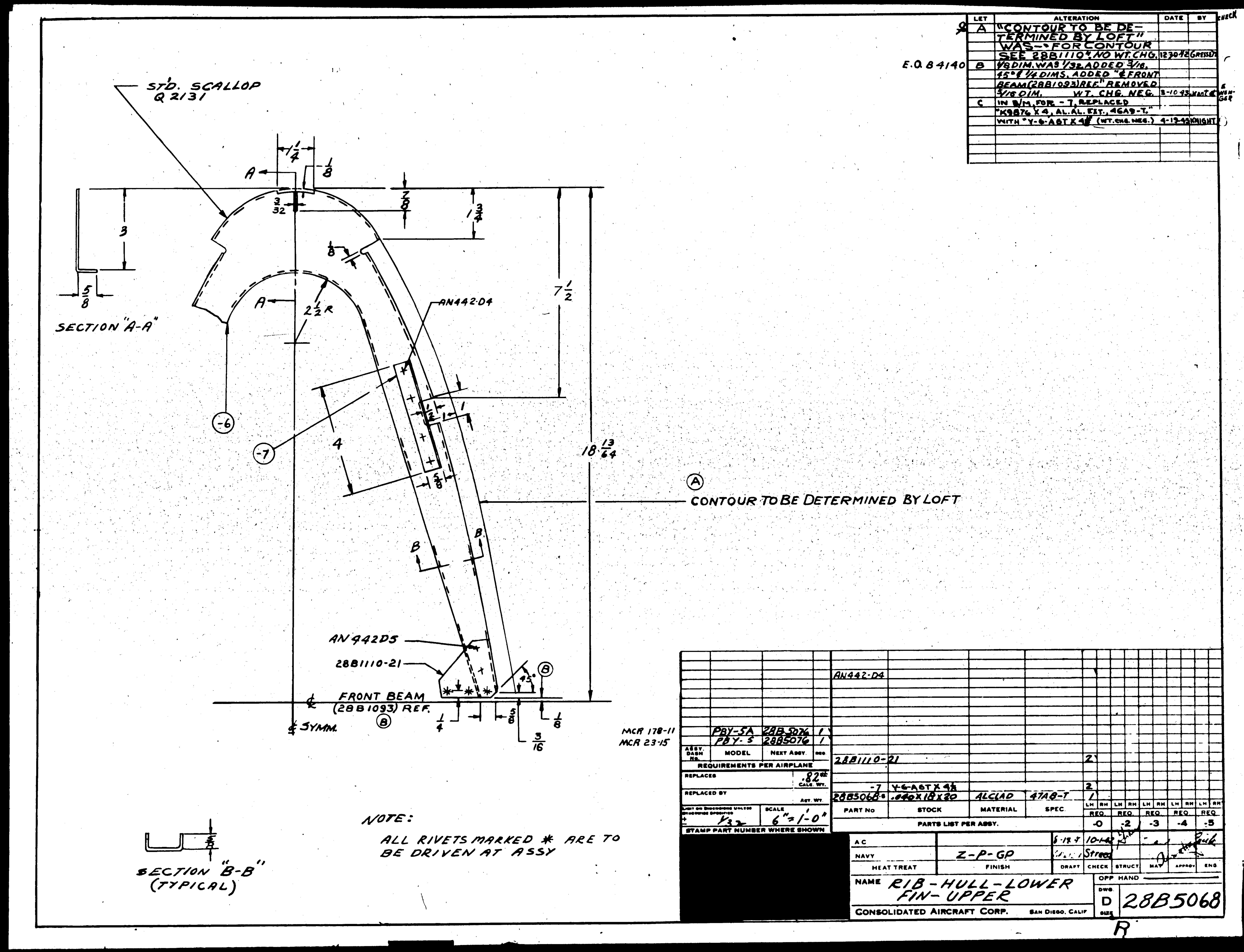
E.O.#A44337
E.O.#A50156
LET | ALTERATION | DATE | BY
A | ADDED 1 1/4 D. HOLE WT. CHG NEG.
B | ON FACE OF DWG. 1 7/8 D. HOLE WAS 1 1/4. DIM. 1 11/16 WAS 1 5/16 NO WT. CHG. | 8-6-42 | FUNK
SECTION | ∠
B-B | 12 1/2°
C-C | 9°
D-D | 8°
E-E | 8°
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
22 1/2
3 15/16
2
5
6
5 3/8
5 27/32
6 5/32
6 9/16
7
8 1/8
9 13/16
1 15/16
1 7/8
9/16
3/8 R
1 7/8 D.
1 11/16
1 1/16
Q2156-7-3.5
Q2156-7-5.5
4
A
B
C
D
E
-6L
2 1/8
TRIM FLANGE
19 1/2
11 1/2
2 7/8
7/8
5
28 7/8 R
6 9/16 R
-7L
AN442D4
1/8 R
3/4
AFT
SECTION D-D
SCALE 12"=1'-0"
8°
3/4
1/8 R
SECTION A-A
SCALE 12"=1'-0"
6 5/16 R
7 7/8
13 3/16
14 11/16
17 11/16
SPARES & FUTURES | -R | 28-5AMN | 28B5580 | 1
 | -L | 28-5AMN | 28B5580 | 1
SPARES & FUTURES | -R | PBY-5A | 28B5580 | 1
 | -L | PBY-5A | 28B5580 | 1
SHIP #151 & ON | -R | PBY-5B | 28B1400 | 1
 | -L | PBY-5B | 28B1400 | 1
C91876 SHIP #91 & ON | -R | PBY-5 | 28B1400 | 1
 | -L | PBY-5 | 28B1400 | 1
AS Y. DASH No. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES 28B1426
.64# CALC. WT.
REPLACED BY
ACT. WT.
± 1/32
SCALE 6"=1'-0" & NOTED
STAMP PART NUMBER WHERE SHOWN
AN442D4
28B5058-7R | K6240 x 1 1/2 | AL. AL. EXTR. | 46A9-T | 1
-7L | K6240 x 1 1/2 | AL. AL. EXTR. | 46A9-T | 1
-6R | .051 x 12 1/4 x 23 1/2 | ALCLAD | 47A8-T | 1
28B5058-6L | .051 x 12 1/4 x 23 1/2 | ALCLAD | 47A8-T | 1
PART No. | STOCK | MATERIAL | SPEC. | LH RH REQ. -0 | -2 | -3 | -4 | -5
PARTS LIST PER ASSY.
A C
NAVY NONE
HEAT TREAT
Z-P-AP
FINISH
DRAFT | CHECK | STRUCT | MAT | APPROV | ENG.
ZUCK
McVicker
OPP. HAND 28B5058-R
NAME BRACKET-HULL-BULKHEAD #4-FAIRING
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
D
28B5058
R



LET | ALTERATION | DATE | BY
E.O. A74410 A CAC #A5-13X14 ASBESTOS, SPEC. COMM #122 FOR -8 WAS 1/8X7/8 X14 ASBESTOS, SPEC. COMM (NEG. WT. CHG.) 11-10-42 HUNTER
B ADDED NOTE GIVING VENDOR'S NAME. NO WT. CHG. 11-10-42 HUNTER
C REMOVED DIMS.
CHG'D NOTE TO READ "LOFT TO DETERMINE CONTOURS". NO WT. CHG.
O. B 0377 D DIM. 1/8 MAX. WAS 1/4 MAX. (4 PLACES) 9 7/8 DIM WAS 10; 1/8 R WAS 3/16 R; ADDED VIEW A-A. WT. CHG. NEG. 2-9-43
E.O.B3399A E DIMS 1/4 (2) WERE 1/8 (2) NO WT. CH. 3-3-43
F CHGD -8 FROM C.A.C. #13 COMM #122 TO C.A.C. #AS-7 COMM #1091. NO WT. CH 3-3-43
G IN B/M -7 (2 REQ.) WAS (1 REQ.) NEG. WT. CHG. 3-27-43
℄ SYMM.
Q2156-10-6
AN426-D4 CSK HEADS IN -8.
AN442D4
Q2156-10-3
Q2156-10-4
VIEW A-A
THIS CUTOUT ON THIS SIDE ONLY
C-91876 #90 C#13595 #346 ON
PBY-5A 28B5076 1
PBY-5 28B5076 1
ASSY. DASH No. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
AN442-D4
AN426-D4
-8 CAC #AS-7 X14 ASBESTOS COMM. #1091 1
-7 Y2A25T X 1 3/8 2
-6 .051 X 14 X 25 ALCLAD 47AB-T 1
PART No | STOCK | MATERIAL | SPEC
PARTS LIST PER ASSY.
REPLACES .90 CALC. WT.
REPLACED BY ACT. WT.
SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
NOTE: LOFT TO DETERMINE CONTOURS
NOTE: -8 IS 1/16 X 1 ASBESTOS TAPE WITHOUT WIRE. IT MAY BE PURCHASED FROM ASBESTOS PRODUCTS CO., SAN DIEGO, CALIF. OR JOHNS MANSVILLE, SAN FRANCISCO, CALIF.
NAVY NONE
HEAT TREAT
Z-P-GP EXCEPT -8
FINISH
DRAFT CHECK STRUCT MAT APPROV ENG.
OPP. HAND
NAME SUPPORT-HULL-LOWER FIN-LOWER
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF
D 28B5066



LET | ALTERATION | DATE | BY
E.O. A 74409 A MAT. C.A.C. #AS-13X13 ASBESTOS
COMM. #122 WAS 1/8 X 7/8 X 14
ASBESTOS-COMM. WT. CHG. NEG. 11-10-42 ROBERTS
B ADDED 1/16 & 46 1/2° DIM. NO WT. CHG. 12-2-42 BUNDE
C REMOVED DIMS: 6 17/32, 7 5/16, 7 1/2, 7 15/16, 5, 8 15/32, 2 1/2, 8 13/16 & 17 7/8. CHG'D NOTE TO READ "LOFT TO DETERMINE CONTOURS". NO WT. CHG. 12-26-42 WRIGHT
E.O. B 0378 D DIMS. 9 7/8 WAS 10, & 1/8 WAS 1/4 (4 PL'C'S) 1/8 R. WAS 3/16, REVERSED DIRECTION OF CUTOUT IN FRONT VIEW, ADDED VIEW "AA" WT. CHG. NEG. 2-8-43 BENNER
E.O. B3399A E REMVD. DIMS. 1/8 (2), ADD. DIMS. 1/4 (2) NO WT. CHG. 3-3-43 WALLACE
E.O. B3647 F STOCK SIZE OF -8 CHG. D FROM 13 TO 7 1/2 ADD. -9, -10 & SEC. B-B. WT. CHG. NEG. 3-3-43 WALLACE
G ADD. -12 TO FACE & B/M; Q4303 D4 WAS AN426-D4(?) WT. CHG. NEG. 4-17-43 ADLING
H REMOVED Q4303 D4, ADDED NOTE "METAL STITCH ..... ETC." WT. CHG. NEG 7-12-43
METAL STITCH -8 -9 & -12 IN POSITION, USE MORRISON METAL STITCHER OR EQUIV.
-10 REF.
-12
SEC. B-B
1 1/2 R
2 1/2
5
1/4
1/4
1/8 R
1/8 R
7/8 FLAT
1/16 JOGGLE
20°
A
A
B
B
-9
-6
-7
-7
-8
-10
4 19/32 R
30°
30°
9 3/8
9 7/8
5
5/8
3/4
5/8
1 1/2
AN442 D4
2 1/2
2 1/2
2 1/2
2 1/2
Q2156-10-4
Q2156-10-4
Q2156-10-3.5
Q2156-10-3
Q2156-10-3.5
7/8 FLAT
1/8 MAX.
7/8 FLAT
5/8
6 1/16
℄
7/8
46 1/2°
7/8
-7 (REF)
1 1/2 R
VIEW "AA"
NOTE:- LOFT TO DETERMINE CONTOURS
C. 13595
C 91876 #90 & 346 ON
PBY-5A 28B5076 1
0 PBY-5 28B5076 1
ASSY. DASH No. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES .90 CALC. WT.
REPLACED BY ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 & ± 1/2°
SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
AN442-D4
-12 C.A.C. #AS-7X5 1/2 ASB. TAPE COMM. 1091 1
-10 Y2A25TX5 1/2 1
-9 C.A.C. #AS-7X3 1/2 ASB. TAPE COMM. 1091 1
-8 C.A.C. #AS-7X7 1/2 ASB. TAPE COMM. 1091 1
-7 Y2-A25-TX1 1/2 2
-6 .051X19 3/4X12 ALCLAD 47A8-T 1
PART No | STOCK | MATERIAL | SPEC. | LH RH REQ. -0 | -2 | -3 | -4 | -5
PARTS LIST PER ASSY.
AC
NAVY NONE
HEAT TREAT
Z-P-GP
FINISH
DRAFT CHECK STRUCT MAT. APPROV. ENG.
NAME SUPPORT-HULL-LOWER FIN - UPPER
OPP. HAND
DWG SIZE D 28B5067
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R 10 42

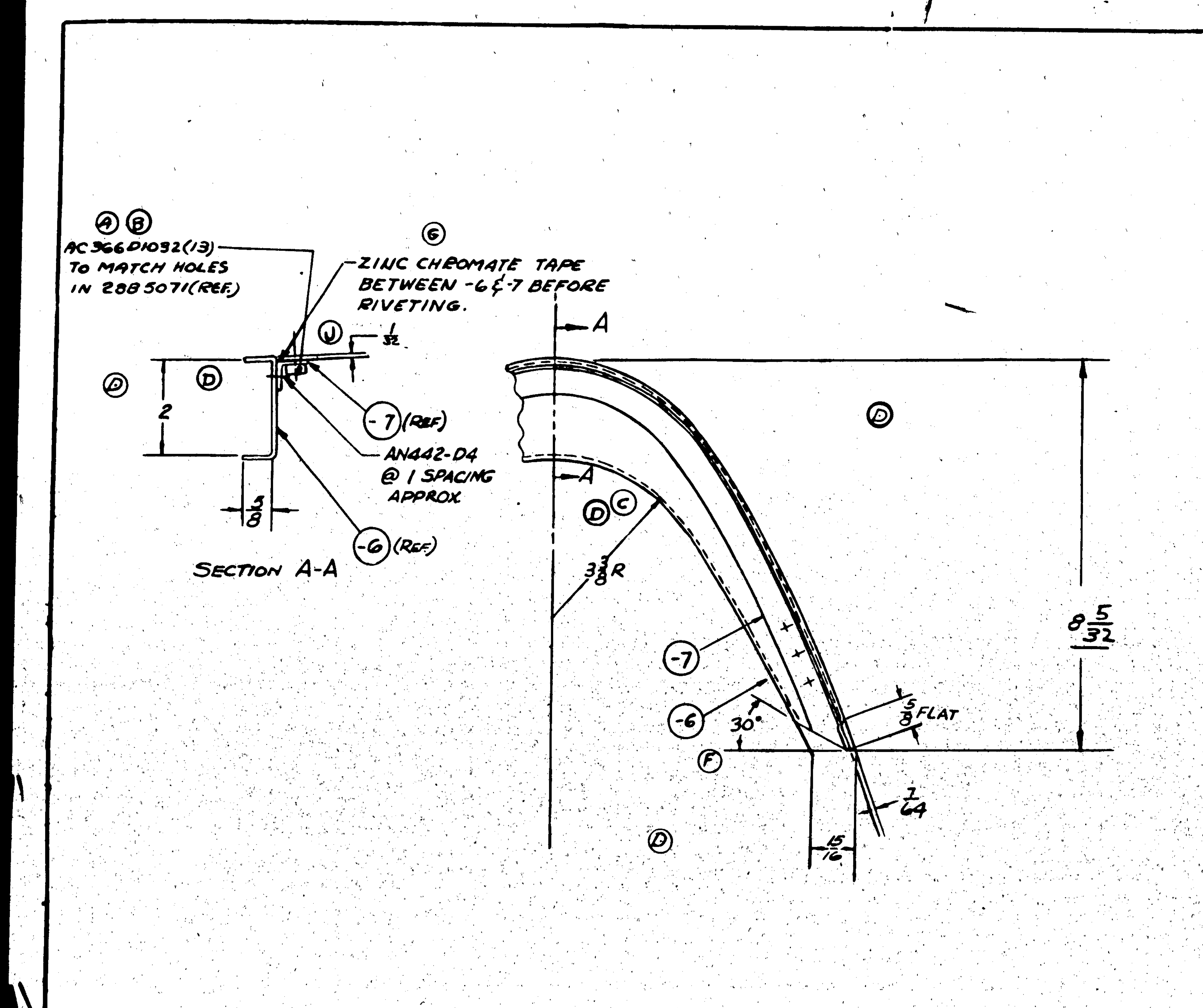


LET
ALTERATION
DATE
BY
CHECK
A "CONTOUR TO BE DETERMINED BY LOFT" WAS—"FOR CONTOUR SEE 28B1110", NO WT. CHG.
B 1/8 DIM. WAS 1/32, ADDED 3/16, 45° & 1/4 DIMS, ADDED "℄ FRONT BEAM (28B1093) REF." REMOVED 3/16 DIM. WT. CHG. NEG.
C IN B/M, FOR -7, REPLACED "K9876 X 4, AL. AL. EXT., 46A9-T." WITH "Y-6-A6T X 4½" (WT. CHG. NEG.)
E.O. 84140
STD. SCALLOP Q 2131
SECTION "A-A"
A
1¼
1/8
3/32
7/8
1¾
3
5/8
2½ R
AN442-D4
7½
4
1/2
1
5/8
18 13/64
-6
-7
CONTOUR TO BE DETERMINED BY LOFT
B
AN442D5
28B1110-21
FRONT BEAM (28B1093) REF.
℄ SYMM.
45°
1/4
5/8
1/8
3/16
SECTION "B-B" (TYPICAL)
NOTE:
ALL RIVETS MARKED * ARE TO BE DRIVEN AT ASSY
MCR 178-11
MCR 23-15
PBY-5A 28B5076 1
PBY-5 28B5076 1
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
.82 CALC. WT.
REPLACED BY
ACT. WT.
SCALE 6" = 1'-0"
1/32
STAMP PART NUMBER WHERE SHOWN
AN442-D4
28B1110-21 2
-7 Y-6-A6T X 4½ 2
28B5068 .040 X 18 X 20 ALCLAD 47A8-T 1
PART No
STOCK
MATERIAL
SPEC.
PARTS LIST PER ASSY.
LH RH
REQ.
-0
-2
-3
-4
-5
AC
NAVY
HEAT TREAT
Z-P-GP
FINISH
DRAFT
CHECK
STRUCT
MAT
APPROV
ENG
OPP HAND
NAME RIB-HULL-LOWER FIN-UPPER
DWG. D SIZE
28B5068
R
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF

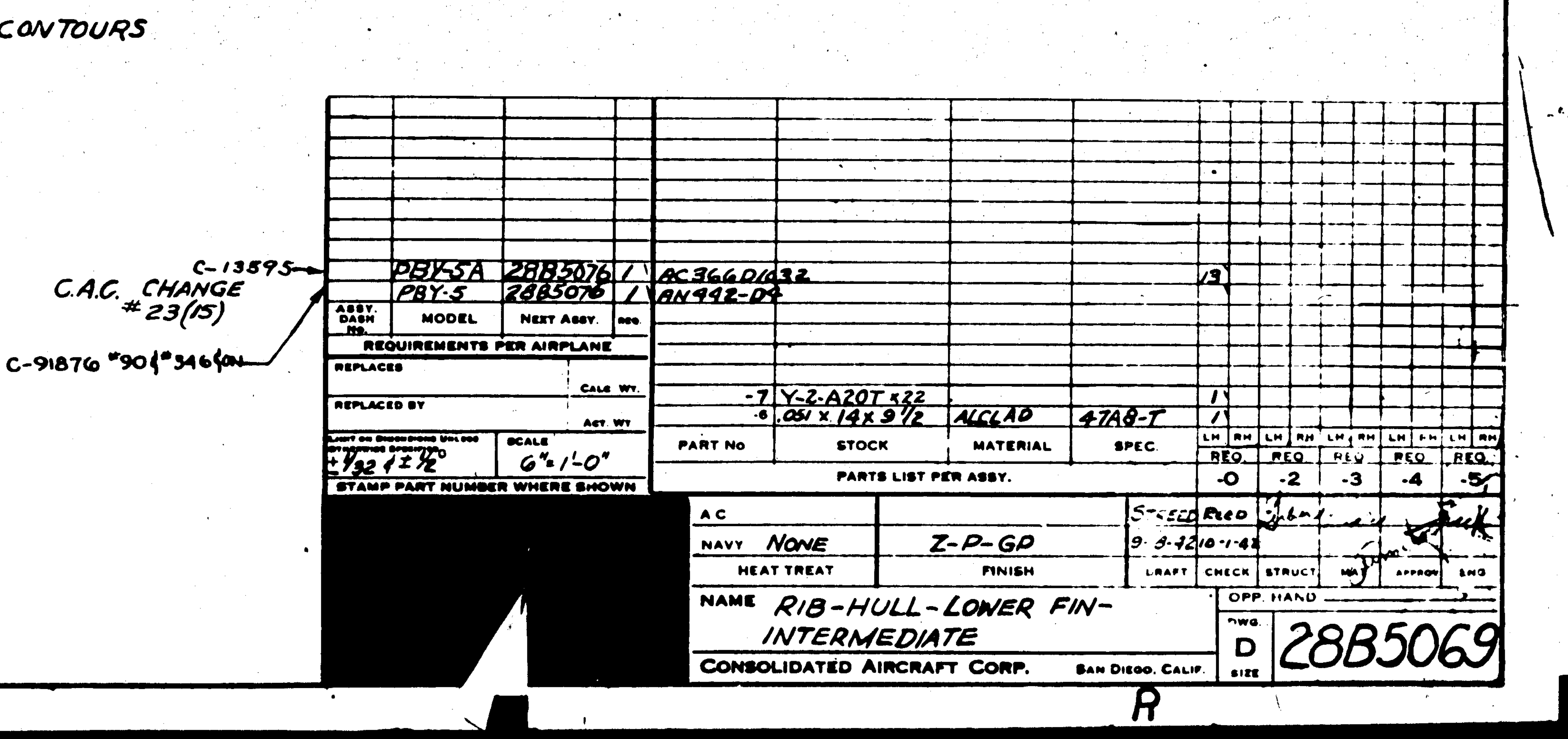
LET	ALTERATION	DATE	BY
A	ADD AC366D1032(10) & AN442D4	10-26-42	WALLACE
B	AC366D1032(13) WAS (10)	11-6-42	WALLACE
C	ADD 3⅜R DIM.	12-2-42	BLAIR
D	REMOVED DIMS: 3 11/16 R, 3⅝, 4 9/16, 5½, 6 1/32, 2, & 4°. CHG'D NOTE TO READ "LOFT TO DETERMINE CONTOURS". NO WT. CHG.	12-26-42	Wright
E	REMOVED QZ131 & LOCATING DIMS. WT. CH. NEG.	3-17-43	WALLACE
F	ADD. 30° TRIM. WT. CH. NEG.	3-17-43	WALLACE
G	ADD. NOTE "ZINC--ETC." NO WT. CH.	3-17-43	WALLACE
H	IN B/M, FOR -7, REPLACED "K1362A x22, AL. AL EXT. 46A9-T" WITH "Y-2-A20T x22" WT. CHG. NEG.	4-28-43	LINGEN FELTER
J	DIM 1/32 WAS 1/16 AT SECT A-A NO WT. CHG.	9-6-43	WELCH

E.O. 8376 (E)

E.O. A95149A (F)



NOTE: (D)
LOFT TO DETERMINE CONTOURS



C-13595

C.A.C. CHANGE #23(15)

C-91876 #90 & #346 ON

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28B5076	1
	PBY-5	28B5076	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ±1/32 & ±½°

SCALE: 6" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	-0 LH	-0 RH
	AC366D1032			13	
	AN442-D4				
-7	Y-2-A20T x22			1	
-6	.051 x 14 x 9½	ALCLAD	47A8-T	1	

REQ. -0, -2, -3, -4, -5

PARTS LIST PER ASSY.

AC			
NAVY NONE	Z-P-GD	9-8-42 (DRAFT: S-REED)	10-1-42 (CHECK: REED)
HEAT TREAT	FINISH	DRAFT	CHECK

STRUCT / MAT / APPROV / ENG

OPP. HAND

NAME RIB-HULL-LOWER FIN-INTERMEDIATE

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

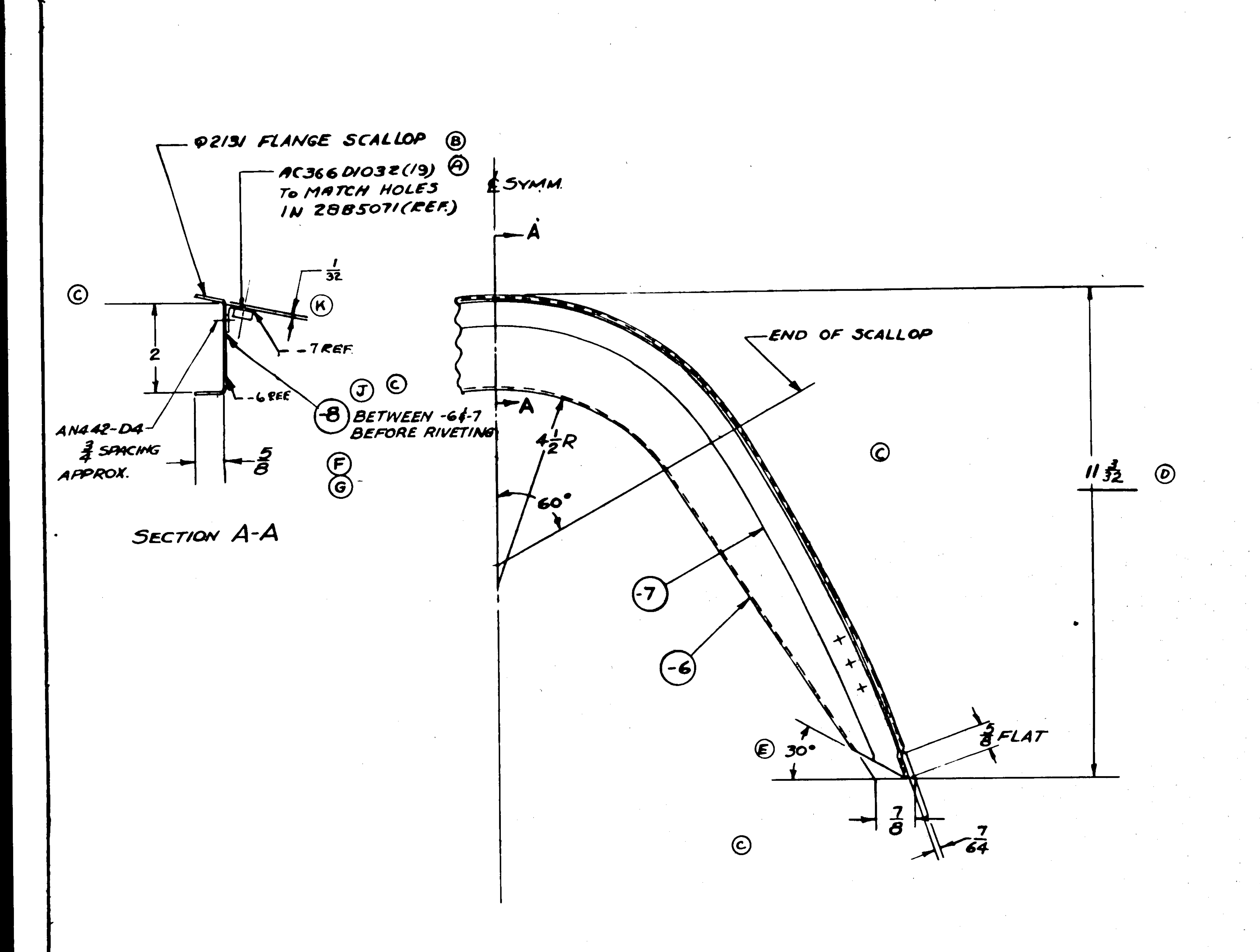
DWG. SIZE D

28B5069

R

LET	ALTERATION	DATE	BY
A	ADD AC366D1032 (14) & AN442D4	10-26-42	WALKER
B	AC362D1032 (19) WAS (14)	11-6-42	WALKER
C	REMOVED DIMS: 11°, 6 1/16 R, 4 13/16, 6 1/16, 7 21/32, 9 1/16, & 2 1/2. CHG'D NOTE TO READ "LOFT TO DETERMINE CONTOURS". NO WT. CHG.	12-28-42	Wright
D	DIM: 11 3/32 WAS 11. WT CHG NEG	2-6-43	WALTER
E	ADDED 30° TRIM. WT. CH. NEG.	3-17-43	WALKER
F	ADDED ZINC CHROMATE TAPE IN NOTE & B/M WT. CHG. NEG	3-31-43	[illegible]
G	ADDED CALLOUT TO B/M & FACE "CAC# TAP 12-25 NO WT. CHG.	4-6-43	[illegible]
H	IN B/M FOR -7 REPLACED "K13624 x 30 1/2, AL. AL. EXT., 46A9-T" WITH "Y-2-A20T x 30 1/2" (WT. CHG. NEG.)	5-8-43	KNIGHT
J	FROM BM & FACE OF DWG. REMOVED CAC# TAP-12-25 (ZINC CHROMATE TAPE) ADDED TO BM & FACE OF DWG -8 & PURCHASE NOTE NO WT. CHG.	6-3-43	LINN
K	DIM 1/32 WAS 1/16 AT SECT. A-A. NO WT. CHG.	9-6-43	WELCH

E.O. 81305
MCR# 178-11 & 23-6
E.O. A95150A



NOTE:-

1- LOFT TO DETERMINE CONTOURS

2- CAC #TAP-12-25 MAY BE PURCHASED FROM W. P. FULLER & Co OR SHERWIN WILLIAMS Co LOS ANGELES, CALIFORNIA.

C# 13595 →
M.C.R 23-15
C# 91876 #90 & 346 (?)

ASSY DASH No.	MODEL	NEXT ASSY	REQ
	PBY-5A	28B5076	1
	PBY-5	28B5076	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC WT.
REPLACED BY — ACT WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 & ± 1/2°
SCALE: 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ -0 LH	REQ -0 RH	REQ -2 LH	REQ -2 RH	REQ -3 LH	REQ -3 RH	REQ -4 LH	REQ -4 RH	REQ -5 LH	REQ -5 RH
AC366D1032				19									
AN442D4													
-8	CVAC #TAP 12-25 x 34	ZINC CHROMATE TAPE		1									
-7	Y-2-A20T x 30 1/2			1									
28B5070-6	.051 x 13 x 22	ALCLAD	47A9-T	1									

PARTS LIST PER ASSY.

AC
NAVY NONE — HEAT TREAT
Z-P-6P — FINISH
DRAFT: STAFFED 8-18-42 — CHECK — STRUCT — MAT — APPROV — ENG
OPP HAND

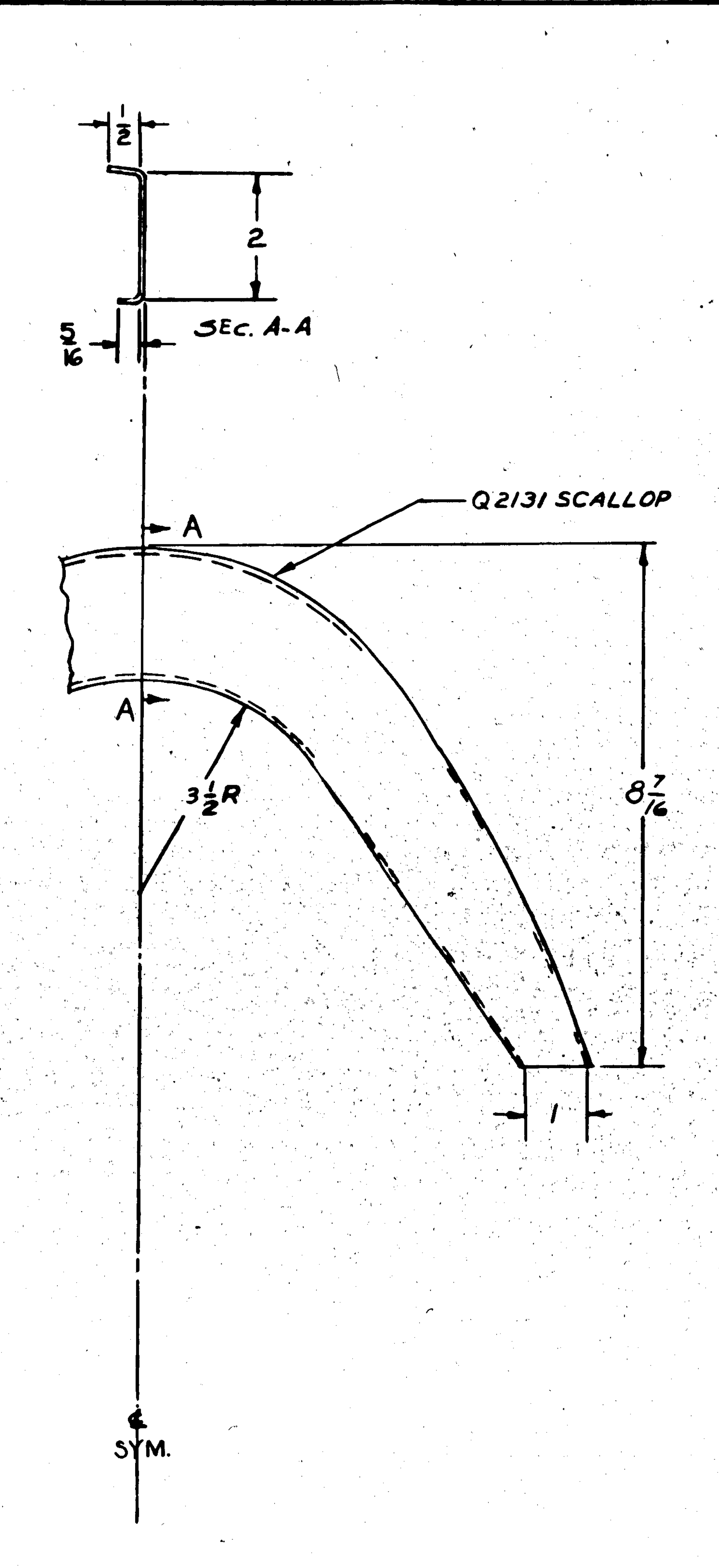
NAME RIB-HULL-LOWER FIN-LOWER

DWG SIZE D — 28B5070

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

LET	ALTERATION	DATE	BY
A	REMOVED 7 3/16, 6 5/16, 5 1/4, 5 5/16, 2, 4, 6, 4 7/8 R, 60° & 7° DIMS. CHANGED NOTE TO "CONTOUR TO BE DETEMINED BY LOFT.	1/2/45	FINKLE



C.A.C CHG.
23 (15)

NOTE:
CONTOUR TO BE
DETERMINED BY LOFT

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28B5071	1
	PBY-5	28B5071	1

REQUIREMENTS PER AIRPLANE

REPLACES	.27 CALC WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	SCALE 6" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	LH -0	RH -0	LH -2	RH -2	LH -3	RH -3	LH -4	RH -4	LH -5	RH -5
■	.051 X 3 1/2 X 23	ALCLAD	47A8-T										

PARTS LIST PER ASSY.

		DRAWN	CHECK	STRUCT	MAT	APPROV	ENG
AC		Streed					
NAVY NONE	Z-P-GP	9-23-42	10-1-42				
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

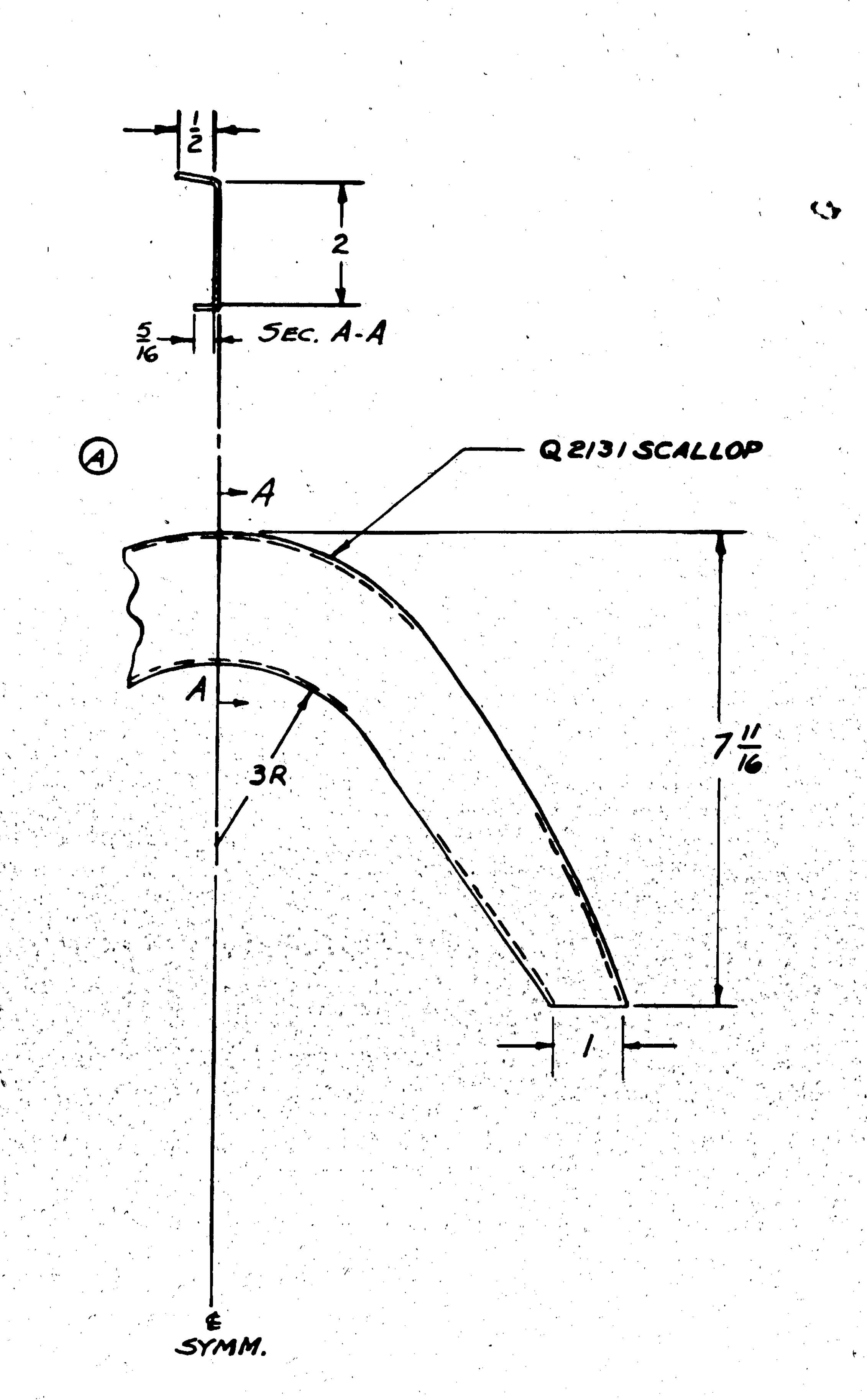
NAME RIB HULL-LOWER FIN COVER-INTERMEDIATE

OPP. HAND

DWG. SIZE D 28B5073

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R



LET	ALTERATION	DATE	BY
A	REMOVED 3 1/2, 4 13/16, 5 13/16, 2, 4 6, 6 7/16, 7°, 60° ℄ & 4 1/16 R. DIM'S. CHGD. NOTE TO "CONTOUR TO BE DETERMINED BY LOFT."	1-4-43	[illegible]

C.A.C. CHANGE #23-15

NOTE:
CONTOUR TO BE DETERMINED BY LOFT

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28B5071	1
	PBY-5	28B5071	1

REQUIREMENTS PER AIRPLANE

REPLACES	.19 CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 & ± 1/2°	SCALE 6" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	-0 LH REQ.	-0 RH REQ.	-2 LH REQ.	-2 RH REQ.	-3 LH REQ.	-3 RH REQ.	-4 LH REQ.	-4 RH REQ.	-5 LH REQ.	-5 RH REQ.
-0	.040 x 3 1/2 x 26	ALCLAD	47AB-7	1									

PARTS LIST PER ASSY.

AC		HLAVIN	Streed	[illegible]	[illegible]	[illegible]	[illegible]
NAVY NONE	Z-P-GP	9-26-42	10-1-42				
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

NAME RIB-HULL-LOWER FIN COVER

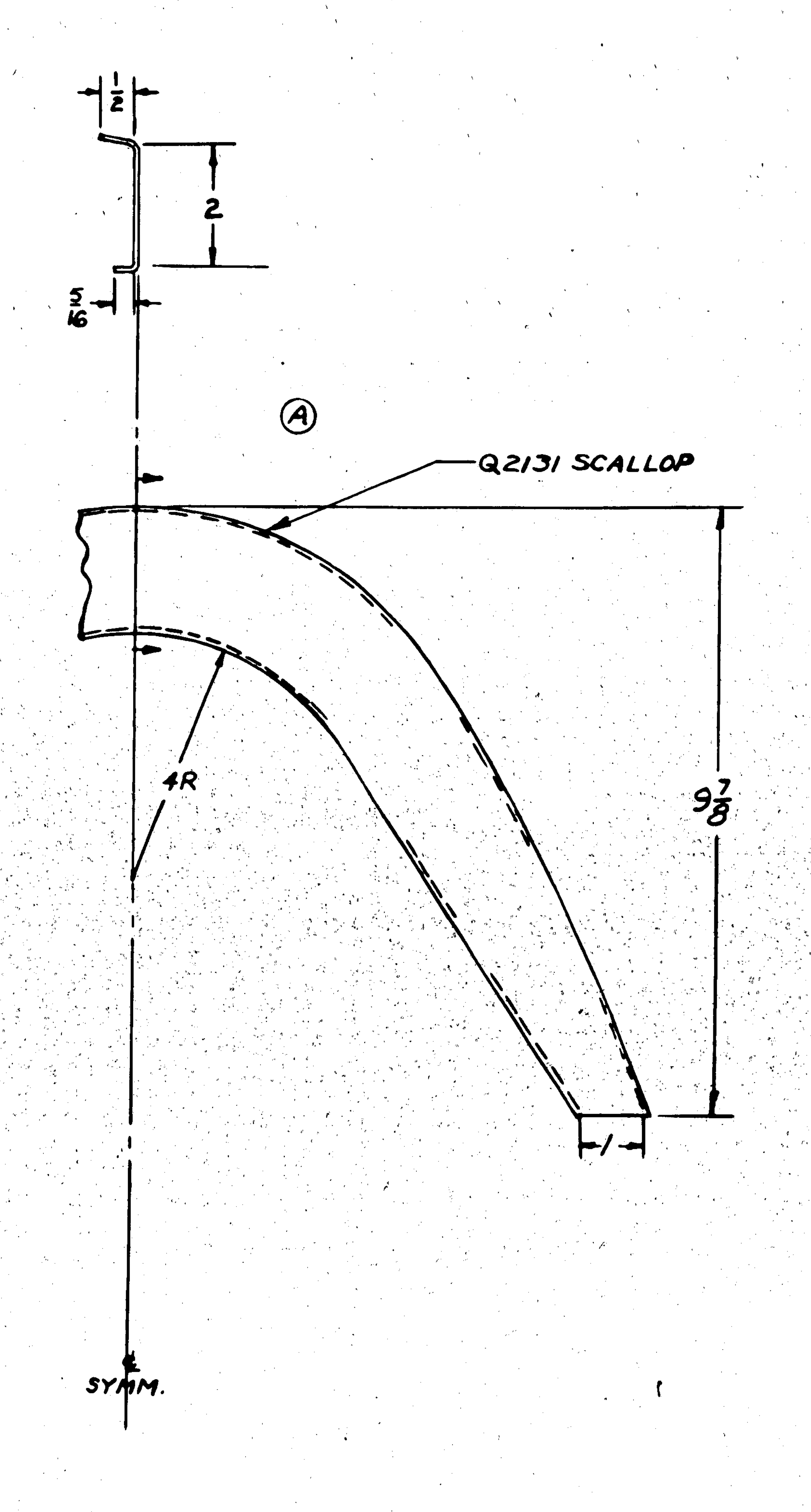
OPP. HAND

DWG. SIZE D 28B5074

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

LET	ALTERATION	DATE	BY
A	REMOVED 8 7/16, 7 1/2, 6 9/16, 5, 4 27/32, 2 1/2, 11°, 60° & 5 9/16 R. DIM'S CHGD NOTE TO "CONTOUR TO BE DETERMINED BY LOFT."	1-4-43	FINKLE



C.A.C. CHANGE #23(15)

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28B5071	1
	PBY-5	28B5071	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32

SCALE: 6" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	-0 LH	-0 RH	-2 LH	-2 RH	-3 LH	-3 RH	-4 LH	-4 RH	-5 LH	-5 RH
	040 x 3 1/2 x 29	ALCLAD	47A8-T	1									

PARTS LIST PER ASSY.

[redacted]

AC							
NAVY NONE	Z-P-QP	9-23-42	9-30-42				
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPRO.	ENG

NAME: RIB-HULL-LOWER FIN COVER-LOWER

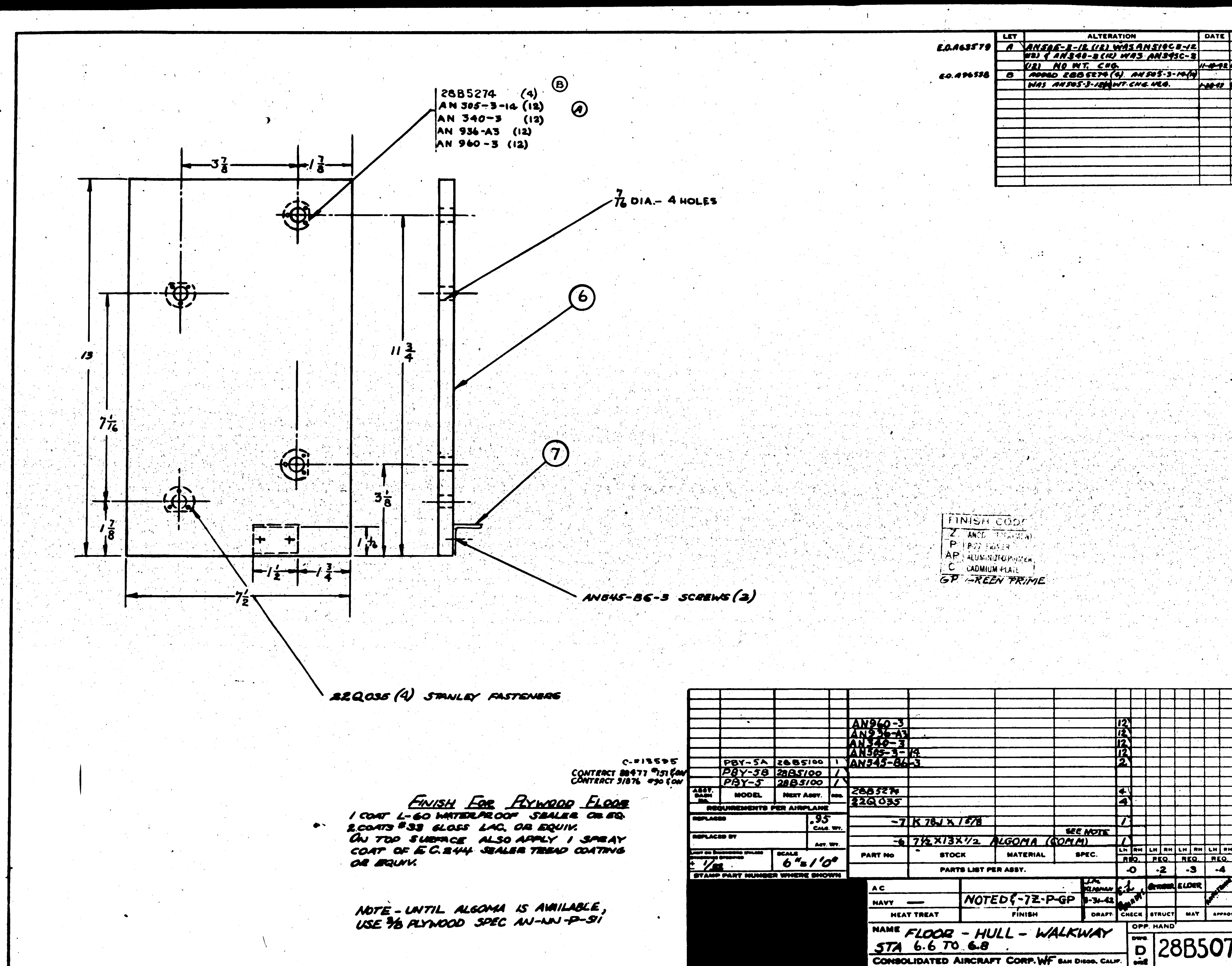
OPP HAND

DWG SIZE: D — 28B5075

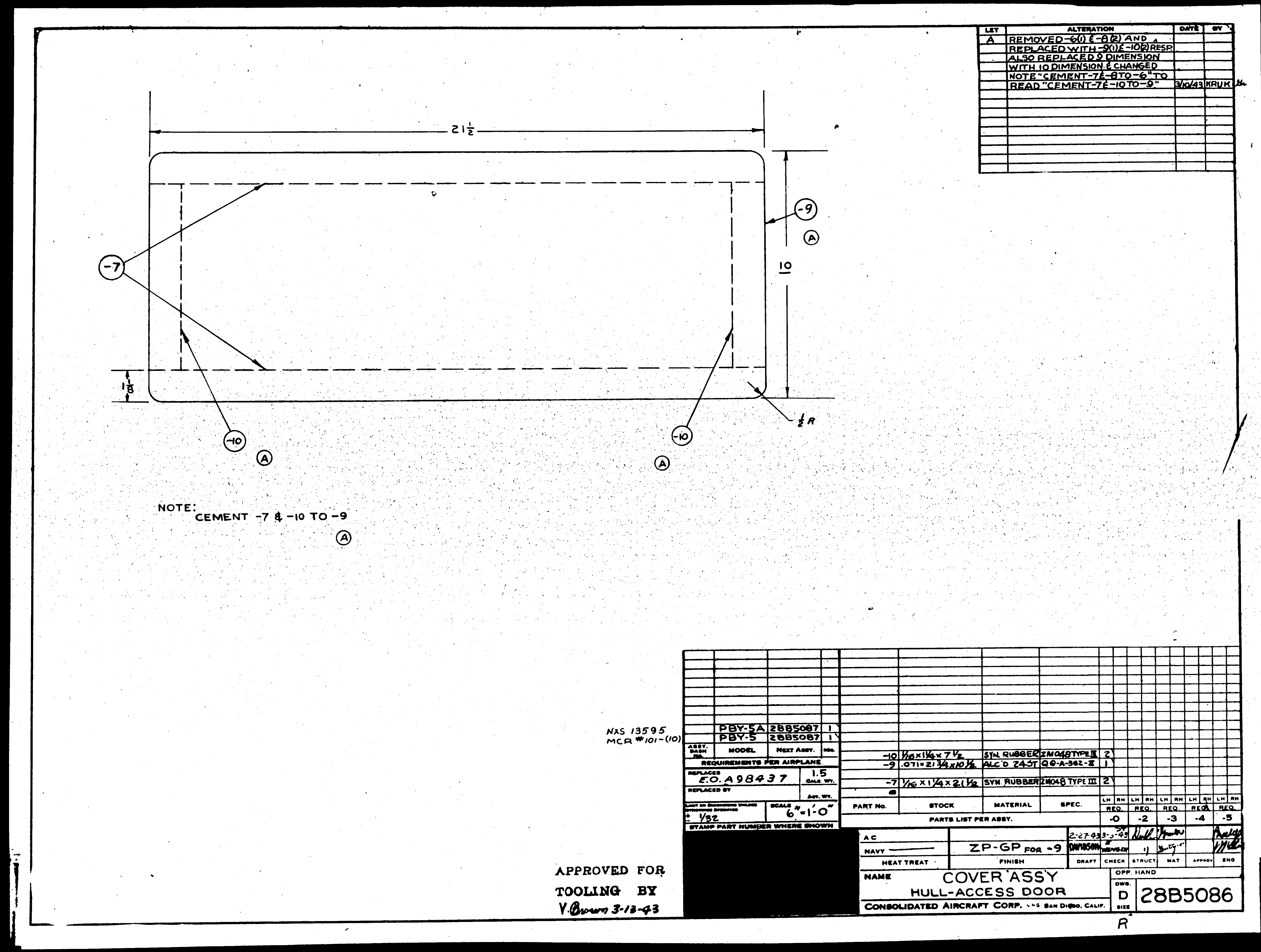
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF

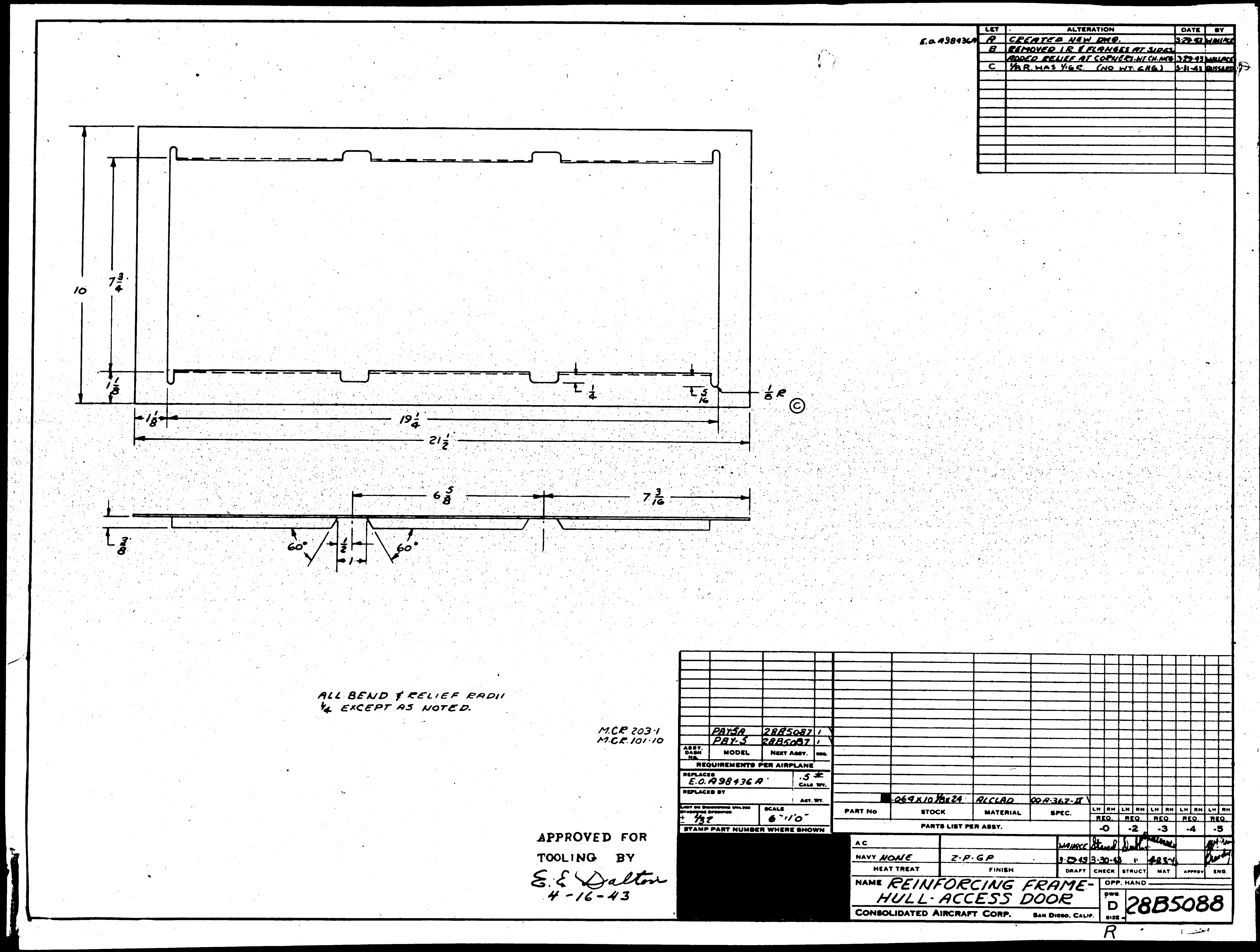
R 10-15-42

NOTE:
CONTOUR TO BE DETERMINED BY LOFT

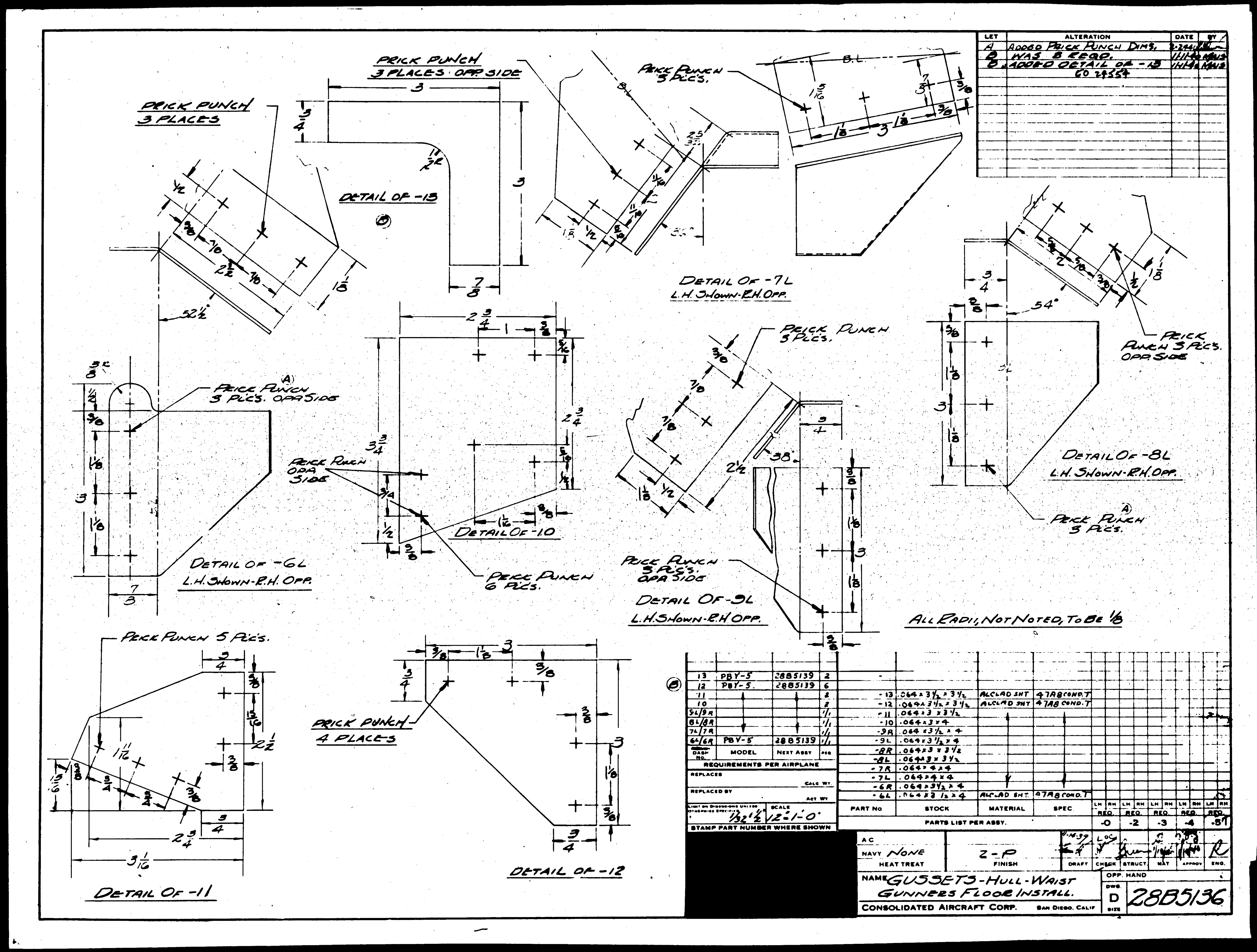


LET
ALTERATION
DATE
BY
E.O.A63579
A
AN505-3-12 (12) WAS AN510C8-12 (12) & AN340-3 (12) WAS AN345C-8 (12) NO WT. CHG.
11-10-42
E.O.A96538
B
ADDED 28B5274 (4). AN505-3-14 (12) WAS AN505-3-12 (12) WT. CHG. NEG.
28B5274 (4)
AN 505-3-14 (12)
AN 340-3 (12)
AN 936-A3 (12)
AN 960-3 (12)
B
A
3 7/8
1 7/8
13
11 3/4
7 7/16
3 1/8
1 7/8
1 1/2
1 1/2
1 3/4
7 1/2
7/16 DIA.- 4 HOLES
6
7
AN545-B6-3 SCREWS (2)
22Q035 (4) STANLEY FASTENERS
FINISH CODE
Z ANOD.
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
GP GREEN PRIME
C-#13595
CONTRACT 88477 #151 & ON
CONTRACT 31876 #90 & ON
FINISH FOR PLYWOOD FLOOR
1 COAT L-60 WATERPROOF SEALER OR EQ.
2 COATS #33 GLOSS LAC. OR EQUIV.
ON TOP SURFACE ALSO APPLY 1 SPRAY COAT OF E.C.244 SEALER TREAD COATING OR EQUIV.
NOTE - UNTIL ALGOMA IS AVAILABLE, USE 3/8 PLYWOOD SPEC AN-NN-P-51
PBY-5A 28B5100 1
PBY-5B 28B5100 1
PBY-5 28B5100 1
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.95 CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 6" = 1'0"
STAMP PART NUMBER WHERE SHOWN
AN960-3 12
AN936-A3 12
AN340-3 12
AN505-3-14 12
AN545-B6-3 2
28B5274 4
22Q035 4
-7 K 78J x 1 5/8 1
SEE NOTE
-6 7 1/2 X 13 X 1/2 ALGOMA (COMM) 1
PART No
STOCK
MATERIAL
SPEC.
LH RH REQ. -0
LH RH REQ. -2
LH RH REQ. -3
LH RH REQ. -4
LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY —
HEAT TREAT
NOTED & -7 Z-P-GP
FINISH
8-31-42
DRAFT.
CHECK
ELDER
ZUCK
STRUCT
MAT
APPROV
ENG
NAME FLOOR - HULL - WALKWAY STA 6.6 TO 6.8
CONSOLIDATED AIRCRAFT CORP. WF SAN DIEGO, CALIF.
OPP. HAND
DWG. SIZE D
28B5077
R 9-12-42


LET | ALTERATION | DATE | BY
A REMOVED -6(1) & -8(2) AND REPLACED WITH -9(1) & -10(2) RESP. ALSO REPLACED 9 DIMENSION WITH 10 DIMENSION & CHANGED NOTE "CEMENT -7 & -8 TO -6" TO READ "CEMENT -7 & -10 TO -9" 3/10/43 KRUK
21 1/2
-7
-9
10
1 1/8
-10
-10
1/2 R
NOTE:
CEMENT -7 & -10 TO -9
NXS 13595
MCR #101-(10)
PBY-5A 28B5087 1
PBY-5 28B5087 1
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES E.O. A98437
1.5 CALC. WT.
REPLACED BY
ACT. WT.
± 1/32
SCALE 6"=1'-0"
STAMP PART NUMBER WHERE SHOWN
-10 1/16x1 1/4x7 1/2 SYN. RUBBER ZM048 TYPE III 2
-9 .071x21 3/4x10 1/2 ALC'D 24ST QQ-A-362-II 1
-7 1/16x1 1/4x21 1/2 SYN. RUBBER ZM048 TYPE III 2
PART No. | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 -2 -3 -4 -5
PARTS LIST PER ASSY.
A C
NAVY
HEAT TREAT
ZP-GP FOR -9
FINISH
2-27-43
DRAFT CHECK STRUCT MAT APPROV ENG
APPROVED FOR TOOLING BY
Y. Brown 3-13-43
NAME COVER ASSY HULL-ACCESS DOOR
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP. HAND
DWG. SIZE D
28B5086
R



E.O. A98436A
LET | ALTERATION | DATE | BY
A | CREATED NEW DWG. | 3-29-43
B | REMOVED 1R & FLANGES AT SIDES. ADDED RELIEF AT CORNERS. WT. CH. NEG. | 3-29-43
C | 1/8 R. WAS 1/16 R. (NO WT. CHG) | 5-31-43
10
7 3/4
1 1/8
1/4
5/16
1/8 R
©
1 1/8
19 1/4
21 1/2
6 5/8
7 3/16
3/8
60°
1/2
1
60°
ALL BEND & RELIEF RADII 1/4 EXCEPT AS NOTED.
M.C.R. 203-1
M.C.R. 101-10
PAY5A | 28B5087 | 1
PBY-5 | 28B5087 | 1
ASSY. DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES E.O. A98436A
.5 # CALC. WT.
REPLACED BY
ACT. WT.
± 1/32
SCALE 6"=1'0"
STAMP PART NUMBER WHERE SHOWN
.064 x 10 1/8 x 24 | ALCLAD | QQ-A-362-II
PART No | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 | -2 | -3 | -4 | -5
PARTS LIST PER ASSY.
AC
NAVY NONE
HEAT TREAT
Z-P-GP
FINISH
3-29-43 | 3-30-43
DRAFT | CHECK | STRUCT | MAT | APPROV | ENG.
NAME REINFORCING FRAME-HULL-ACCESS DOOR
OPP. HAND
DWG. SIZE D
28B5088
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
APPROVED FOR TOOLING BY
E. E. Dalton
4-16-43
R



LET	ALTERATION	DATE	BY
A	ADDED PRICK PUNCH DIMS.	[illegible]	[illegible]
B	WAS 8 REQD.	[illegible]	MNS
B	ADDED DETAIL OF -13	[illegible]	MNS
	CO 24554		

DASH No.	MODEL	NEXT ASSY	REQ
13	PBY-5	28B5139	2
12	PBY-5.	28B5139	6
11			2
10			2
9L/9R			1/1
8L/8R			1/1
7L/7R			1/1
6L/6R	PBY-5	28B5139	1/1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: 1/32 ± 1/2° — SCALE: 12"=1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC
-13	.064 x 3 1/2 x 3 1/2	ALCLAD SHT	47A8 COND. T
-12	.064 x 3 1/2 x 3 1/2	ALCLAD SHT	47A8 COND. T
-11	.064 x 3 x 3 1/2		
-10	.064 x 3 x 4		
-9R	.064 x 3 1/2 x 4		
-9L	.064 x 3 1/2 x 4		
-8R	.064 x 3 x 3 1/2		
-8L	.064 x 3 x 3 1/2		
-7R	.064 x 4 x 4		
-7L	.064 x 4 x 4		
-6R	.064 x 3 1/2 x 4		
-6L	.064 x 3 1/2 x 4	ALCLAD SHT.	47A8 COND. T

PARTS LIST PER ASSY. — LH / RH REQ. -0, -2, -3, -4, -5

A C — NAVY NONE — HEAT TREAT

Z-P — FINISH

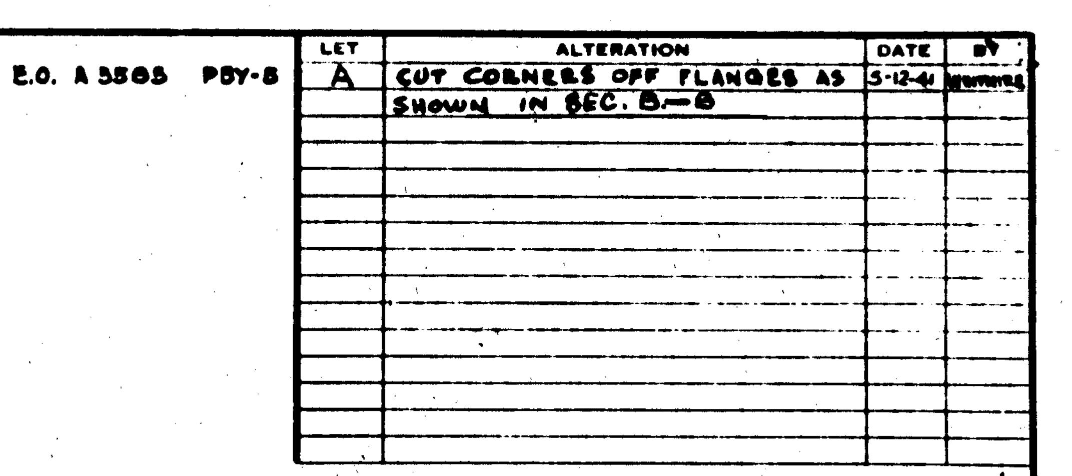
DRAFT — CHECK — STRUCT. — MAT — APPROV — ENG.

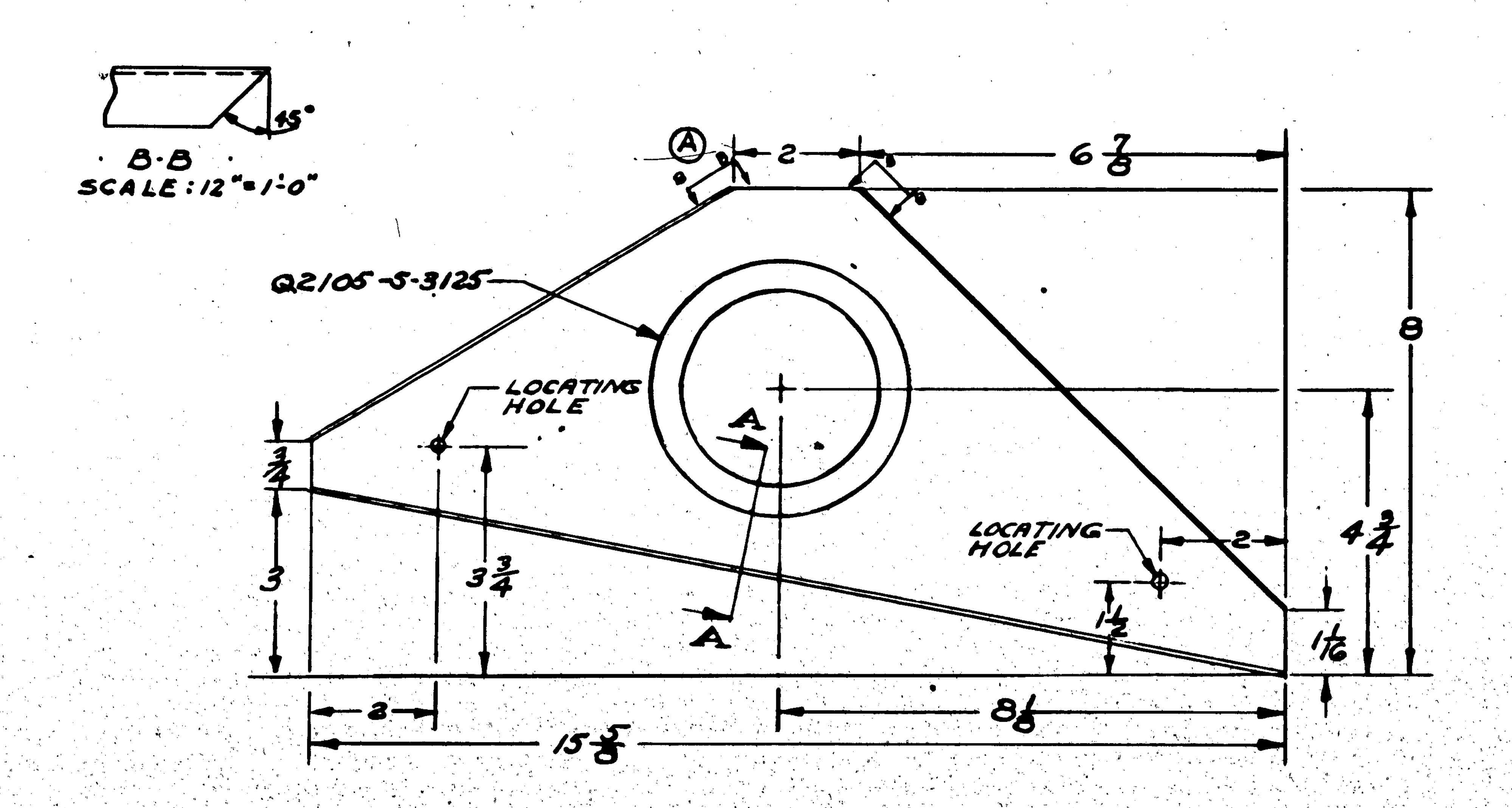
NAME GUSSETS-HULL-WAIST GUNNERS FLOOR INSTALL.

OPP. HAND

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF

DWG. SIZE D — 28B5136





3/32 R

1/2 ← ALL FLANGES

SEC: A A
SCALE: 12"=1'0"

ALL DIM'S INSIDE OF FLANGES

R	PBY-5	28B5141R	1
	PBY-5	28B5141L	1
ASSY. DASH No.	MODEL	NEXT ASSY	REQ

REQUIREMENTS PER AIRPLANE

REPLACES — .476 CALC WT.

REPLACED BY — ACT. WT.

SCALE 6"=1'0" & NOTED

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	LH RH REQ.	LH RH REQ.	LH RH REQ.	LH RH REQ.	LH RH REQ.
	.040 X 10 X 18	DURAL SHT.	47A10A					
PARTS LIST PER ASSY.				-0	-2	-3	-4	-5

AC		McVICKER	LOC				
NAVY SR53T	Z-P-AP	11-16-39			11/16/39	11/29/39	R
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT.	APPROV	ENG

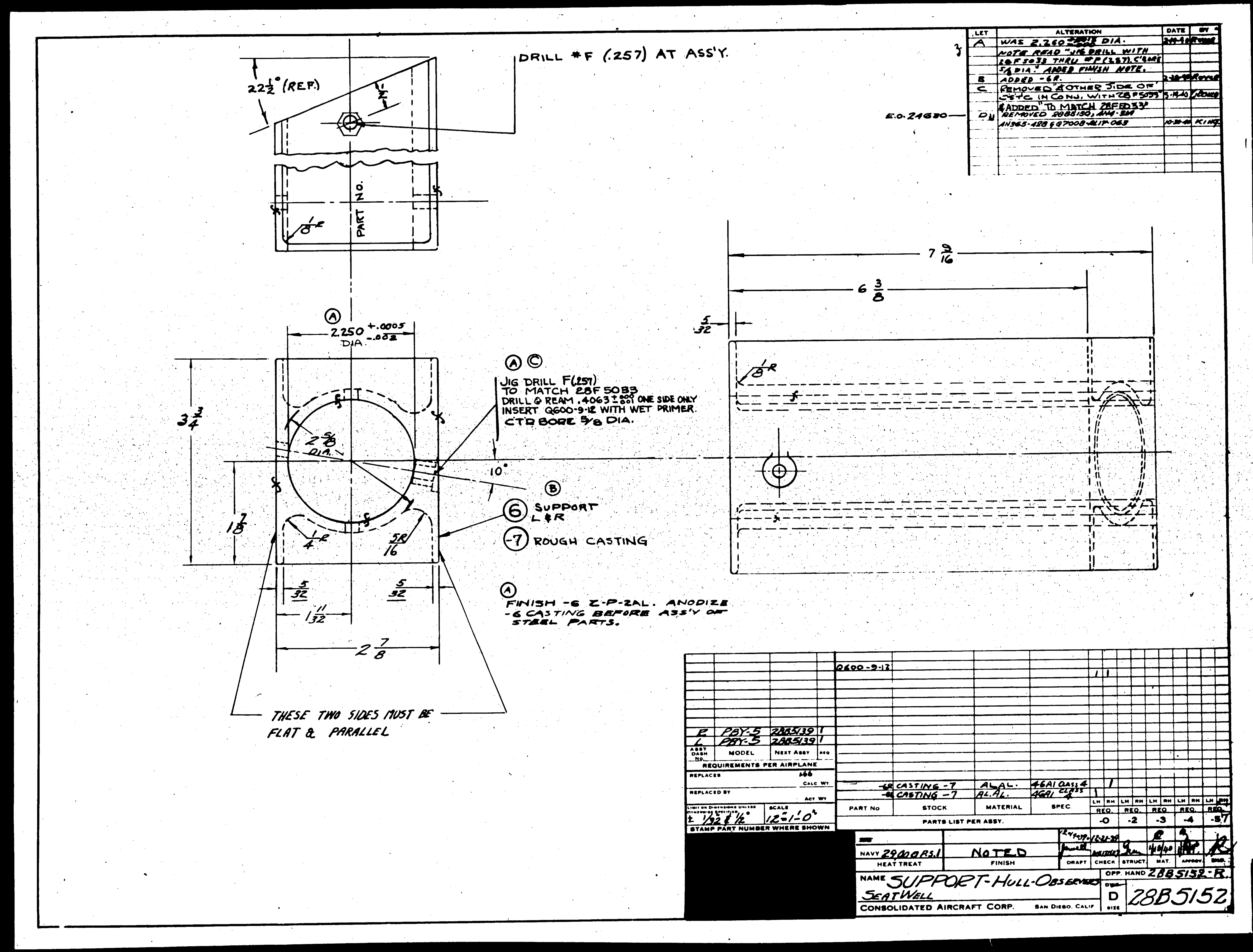
OPP. HAND 28B5142R

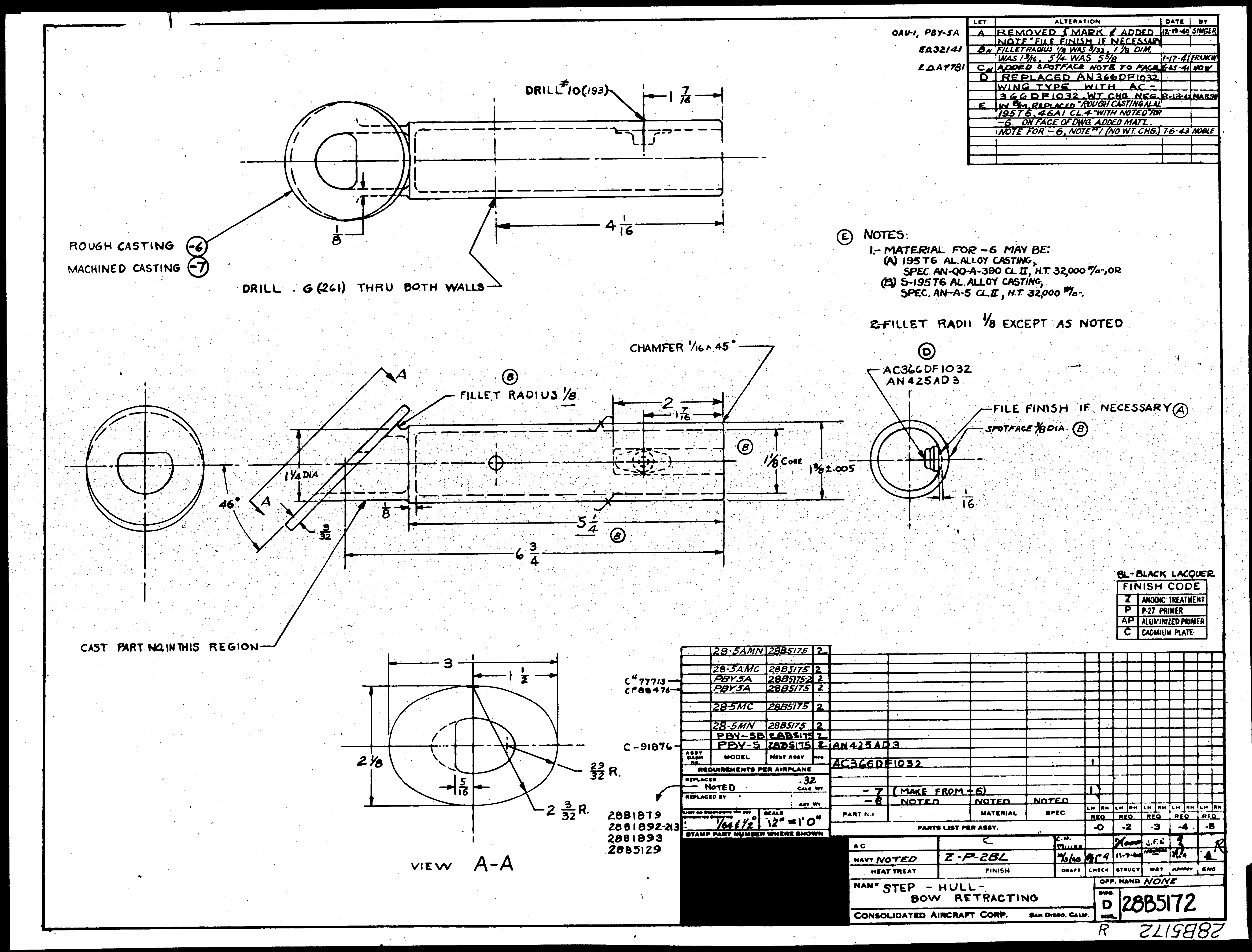
NAME SUPPORT-HULL-ENTRANCE STEP-INBD

DWG SIZE D — 28B5142

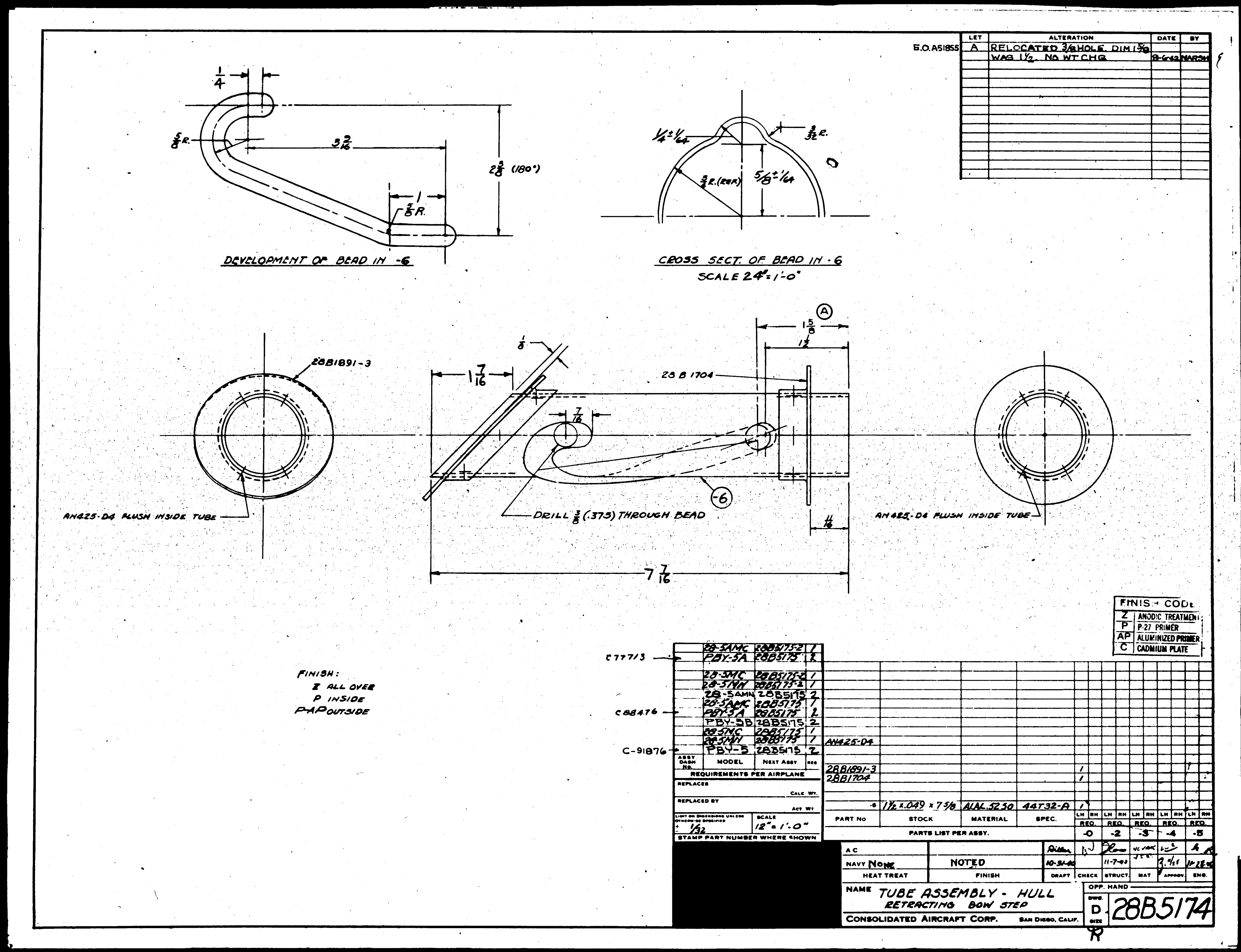
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF

R


DRILL #F (.257) AT ASS'Y.
22½° (REF.)
PART NO.
1/8 R
A
2.250 +.0005 -.002 DIA.
A C
JIG DRILL F(.257)
TO MATCH 28F5083
DRILL & REAM .4063 ±.002 ±.001 ONE SIDE ONLY
INSERT Q600-9-12 WITH WET PRIMER.
CTR BORE 5/8 DIA.
3 3/4
2 5/8 DIA.
10°
B
6 SUPPORT L&R
-7 ROUGH CASTING
1 7/8
1/4 R
5R/16
5/32
5/32
1 11/32
2 7/8
A
FINISH -6 Z-P-2AL. ANODIZE -6 CASTING BEFORE ASS'Y OF STEEL PARTS.
THESE TWO SIDES MUST BE FLAT & PARALLEL
7 9/16
6 3/8
5/32
1/8 R
LET | ALTERATION | DATE | BY
A | WAS 2.260 DIA. NOTE READ "JIG DRILL WITH 28F5033 THRU #F(.257). C'BORE 5/8 DIA." ADDED FINISH NOTE.
B | ADDED -6R.
C | REMOVED "& OTHER SIDE OF C'STG IN CONJ. WITH 28F5033" & ADDED "TO MATCH 28F5033" | 3-14-40
D | REMOVED 28B5150, AN4-3A AN365-428 & Q7008-ALIF-063 | | KING
E.O. 24630
Q600-9-12
R | PBY-5 | 28B5139 | 1
L | PBY-5 | 28B5139 | 1
ASSY DASH NO. | MODEL | NEXT ASSY | REQ
REQUIREMENTS PER AIRPLANE
REPLACES
CALC WT .66
REPLACED BY
ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 & ½°
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
-6R | CASTING -7 | AL.AL. | 46A1 CLASS 4
-6L | CASTING -7 | AL.AL. | 46A1 CLASS 4
PART No | STOCK | MATERIAL | SPEC
PARTS LIST PER ASSY.
LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
NAVY 29000 RS.1
HEAT TREAT
NOTED
FINISH
DRAFT | CHECK | STRUCT. | MAT. | APPROV. | ENG.
12-21-39
4/6/40
NAME SUPPORT-HULL-OBSERVERS SEAT WELL
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF
OPP. HAND 28B5152-R
DWG. SIZE D
28B5152



LET | ALTERATION | DATE | BY
OAU-1, PBY-5A A REMOVED MARK & ADDED NOTE "FILE FINISH IF NECESSARY" 12-19-40 SINGER
E.O.32141 B FILLET RADIUS 1/8 WAS 3/32, 1 7/8 DIM. WAS 1 3/16, 5 1/4 WAS 5 5/8 1-17-41
E.O.A7781 C ADDED SPOTFACE NOTE TO FACE 6-25-41 HOW
D REPLACED AN366DF1032 WING TYPE WITH AC-366DF1032. WT CHG NEG. 8-13-42
E REPLACED "ROUGH CASTING AL.AL 195T6, 46A1 CL.4" WITH NOTED FOR -6. ON FACE OF DWG. ADDED MAT'L. NOTE FOR -6, NOTE #1 (NO WT. CHG.) 7-6-43 NOBLE
DRILL #10 (.193)
1 7/16
4 1/16
1/8
ROUGH CASTING -6
MACHINED CASTING -7
DRILL .G (.261) THRU BOTH WALLS
E NOTES:
1.- MATERIAL FOR -6 MAY BE:
(A) 195T6 AL. ALLOY CASTING, SPEC. AN-QQ-A-390 CL II, H.T. 32,000 #/□", OR
(B) S-195T6 AL. ALLOY CASTING, SPEC. AN-A-5 CL. II, H.T. 32,000 #/□".
2-FILLET RADII 1/8 EXCEPT AS NOTED
CHAMFER 1/16 x 45°
FILLET RADIUS 1/8
A
2
1 7/16
1 1/4 DIA
1 1/8 CORE
1 3/8 ± .005
46°
1/8
3/32
5 1/4
6 3/4
D
AC366DF1032
AN425AD3
FILE FINISH IF NECESSARY A
SPOTFACE 1/8 DIA. B
1/16
BL-BLACK LACQUER
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
CAST PART NO. IN THIS REGION
3
1 1/2
2 1/8
5/16
29/32 R.
2 3/32 R.
VIEW A-A
28-5AMN 28B5175 2
28-5AMC 28B5175 2
C#77713 PBY5A 28B5175-2 2
C#88476 PBY5A 28B5175 2
28-5MC 28B5175 2
28-5MN 28B5175 2
PBY-5B 28B5175 2
C-91876 PBY-5 28B5175 2
ASSY DASH NO. MODEL NEXT ASSY
REQUIREMENTS PER AIRPLANE
AN425AD3
AC366DF1032
REPLACES NOTED
.32 CALC WT.
REPLACED BY
ACT WT.
1/64 ± 1/2°
SCALE 12" = 1'0"
STAMP PART NUMBER WHERE SHOWN
-7 (MAKE FROM -6)
-6 NOTED NOTED NOTED
PART NO. MATERIAL SPEC.
PARTS LIST PER ASSY.
LH RH REQ. -0 -2 -3 -4 -5
28B1879
28B1892-2(3
28B1893
28B5129
NAVY NOTED
HEAT TREAT
Z-P-2BL
FINISH
DRAFT CHECK STRUCT MAT APPROV ENG
OPP. HAND NONE
NAME STEP - HULL - BOW RETRACTING
D 28B5172
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R 28B5172

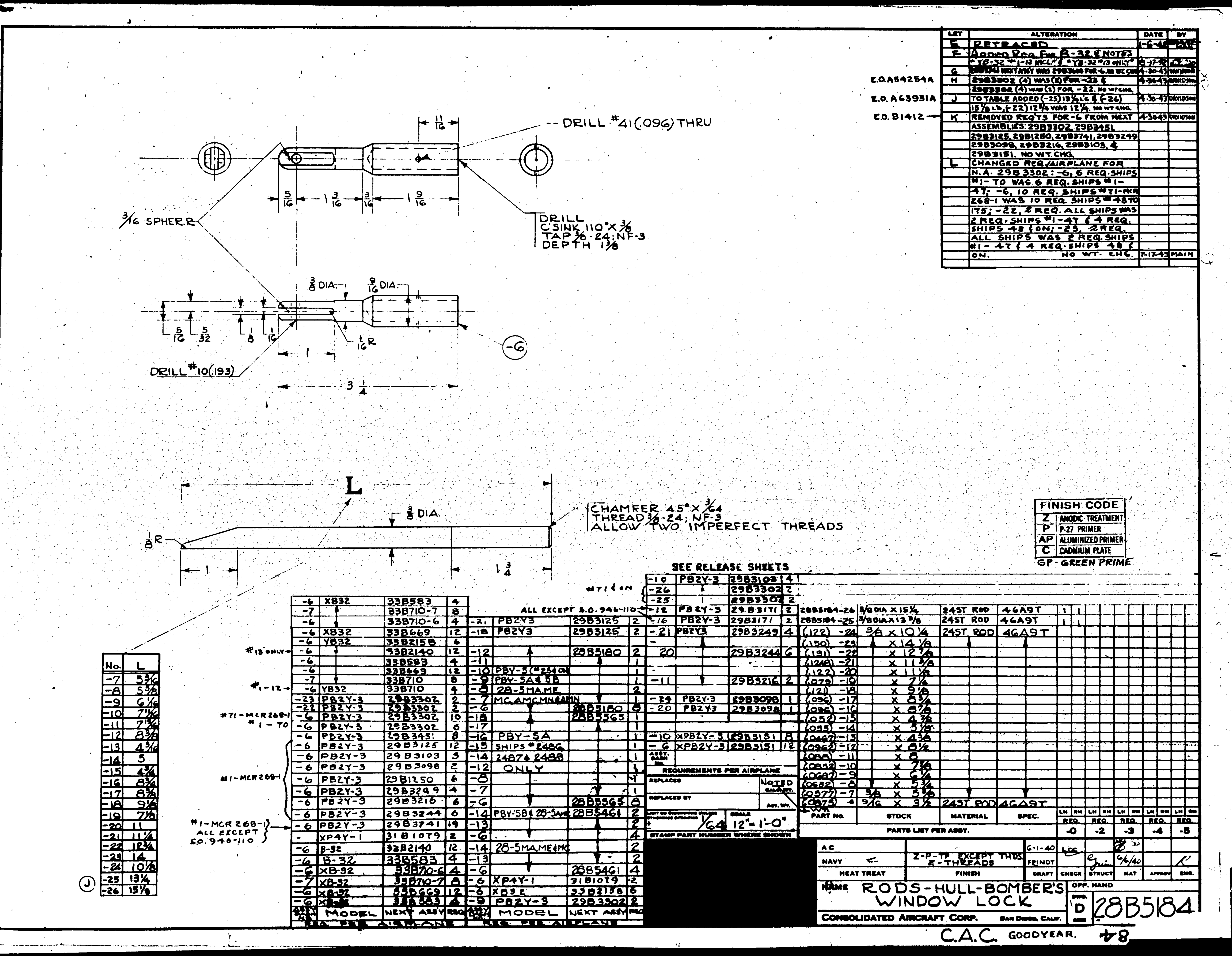


ASSY. DASH No.	MODEL	NEXT ASSY.	REQ
	28-5AMC	28B5175-2	1
	PBY-5A	28B5175	2
	28-5MC	28B5175-2	1
	28-5MN	28B5175-2	1
	28-5AMN	28B5175	2
	28-5AMC	28B5175	1
	PBY-5A	28B5175	2
	PBY-5B	28B5175	2
	28-5MC	28B5175	1
	28-5MN	28B5175	1
	PBY-5	28B5175	2

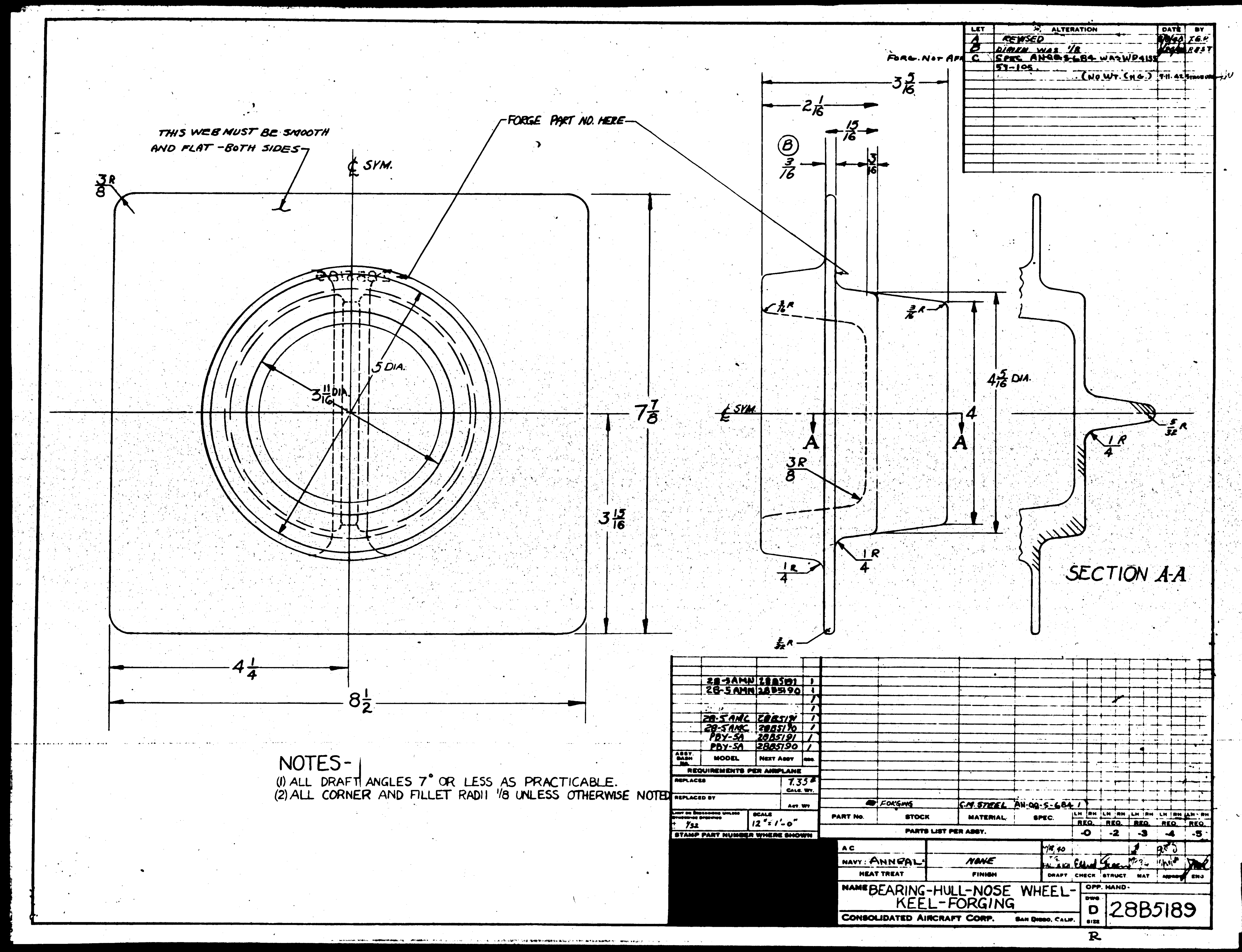
REQUIREMENTS PER AIRPLANE

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.
AN425-D4				
28B1891-3				1
28B1704				1
-6	1 1/2 x .049 x 7 5/8	ALAL. 52 SO	44T32-A	1

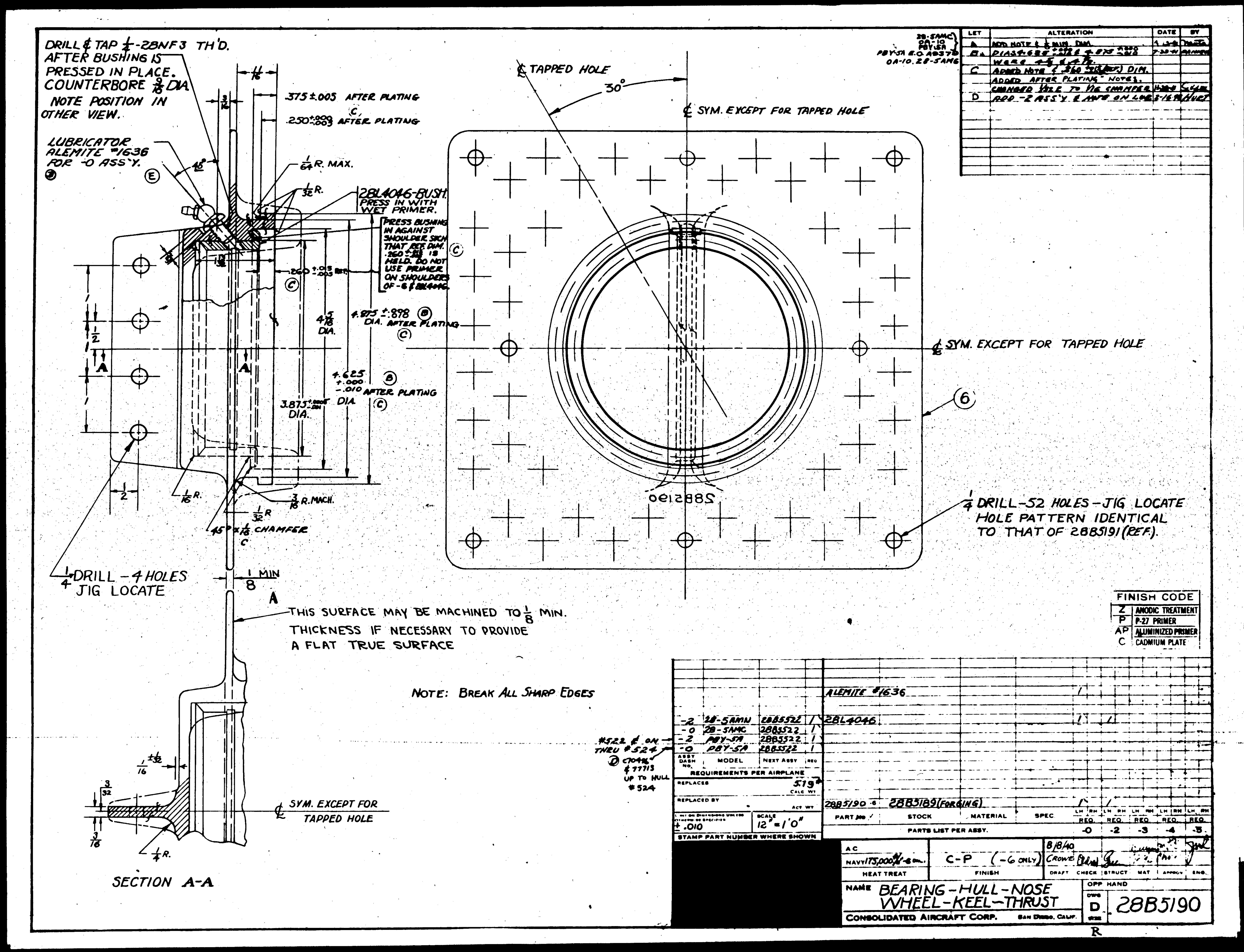
PARTS LIST PER ASSY. (-0, -2, -3, -4, -5; LH / RH REQ.)



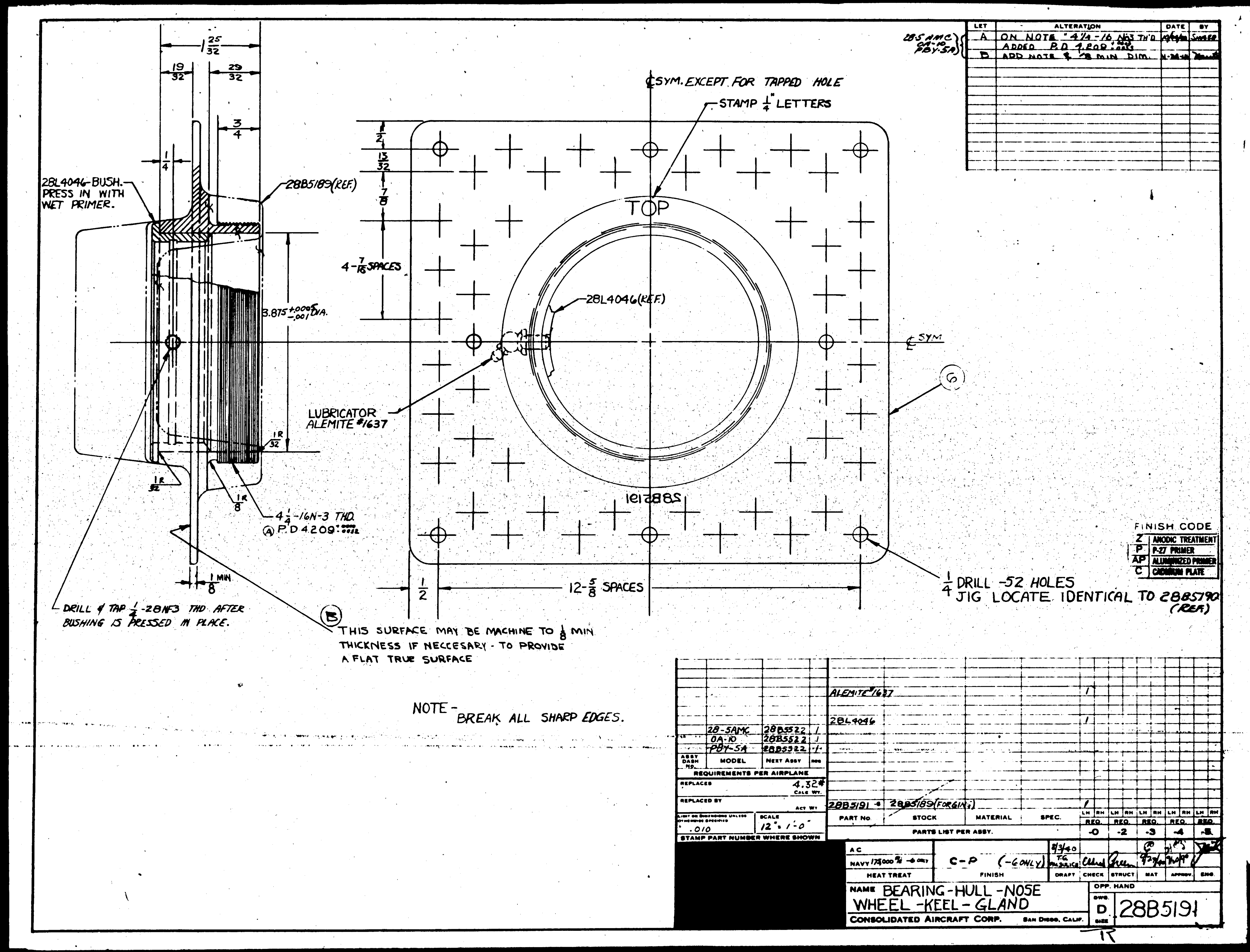
DRILL #41(.096) THRU
3/16 SPHER.R
DRILL
C'SINK 110° X 3/8
TAP 3/8-24; NF-3
DEPTH 1 3/8
3/8 DIA.
9/16 DIA.
DRILL #10(.193)
-6
L
3/8 DIA.
CHAMFER 45° X 3/64
THREAD 3/8-24; NF-3
ALLOW TWO IMPERFECT THREADS
1/8 R
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
GP - GREEN PRIME
SEE RELEASE SHEETS
E.O. A54254A
E.O. A63931A
E.O. B1412
LET
ALTERATION
DATE
BY
E RETRACED
F ADDED REQ. FOR B-32 & NOTES
H 29B3302 (4) WAS (2) FOR -23 & 29B3302 (4) WAS (2) FOR -22. NO WT. CHG.
J TO TABLE ADDED (-25) 13 3/4 LG. & (-26) 15 7/8 LG. (-22) 12 3/4 WAS 12 1/2. NO WT. CHG.
K REMOVED REQ'TS FOR -6 FROM NEXT ASSEMBLIES: 29B3302, 29B3451, 29B3125, 29B1250, 29B3741, 29B3249, 29B3098, 29B3216, 29B3103, & 29B3151. NO WT. CHG.
L CHANGED REQ/AIRPLANE FOR N.A. 29B3302: -6, 6 REQ. SHIPS #1-70 WAS 6 REQ. SHIPS #1-47; -6, 10 REQ. SHIPS #71-MCR 268-1 WAS 10 REQ. SHIPS #48 TO 175; -22, 2 REQ. ALL SHIPS WAS 2 REQ. SHIPS #1-47 & 4 REQ. SHIPS 48 & ON; -23, 2 REQ. ALL SHIPS WAS 2 REQ. SHIPS #1-47 & 4 REQ. SHIPS 48 & ON. NO WT. CHG. 7-17-43 MAIN
No. L
-7 5 3/16
-8 5 5/8
-9 6 1/16
-10 7 1/16
-11 7 3/16
-12 8 3/8
-13 4 3/16
-14 5
-15 4 3/4
-16 8 3/4
-17 8 5/8
-18 9 1/8
-19 7 1/8
-20 11
-21 11 1/4
-22 12 3/4
-23 14
-24 10 1/8
-25 13 1/4
-26 15 7/8
REQUIREMENTS PER AIRPLANE
MODEL
NEXT ASSY
REQ. PER AIRPLANE
PART No.
STOCK
MATERIAL
SPEC.
24ST ROD
46A9T
PARTS LIST PER ASSY.
STAMP PART NUMBER WHERE SHOWN
SCALE 12" = 1'-0"
Z-P-TP EXCEPT THDS. Z-THREADS
HEAT TREAT
FINISH
DRAFT
CHECK
STRUCT
MAT
APPROV
ENG.
6-1-40
NAME RODS-HULL-BOMBER'S WINDOW LOCK
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
OPP. HAND
D 28B5184
C.A.C. GOODYEAR. 48



LET | ALTERATION | DATE | BY
A | REVISED | | I.G.H.
B | DIMEN WAS 1/8 | | REST
FORG. NOT AFF | C | SPEC AN-QQ-S-684 WAS WD4135 57-105.
(NO WT. CHG.) | 9-11-42 | STROBURG
THIS WEB MUST BE SMOOTH AND FLAT - BOTH SIDES
FORGE PART NO. HERE
℄ SYM.
3/8 R
5 DIA.
3 11/16 DIA.
7 7/8
3 15/16
4 1/4
8 1/2
3 5/16
2 1/16
15/16
(B)
3/16
3/16
3/16 R
3/16 R
4 5/16 DIA.
4
℄ SYM.
A
A
3/8 R
1/4 R
1/4 R
3/32 R
1/4 R
5/32 R
SECTION A-A
NOTES-
(1) ALL DRAFT ANGLES 7° OR LESS AS PRACTICABLE.
(2) ALL CORNER AND FILLET RADII 1/8 UNLESS OTHERWISE NOTED
28-5AMN 28B5191 1
28-5AMN 28B5190 1
28-5AMC 28B5191 1
28-5AMC 28B5190 1
PBY-5A 28B5191 1
PBY-5A 28B5190 1
ASSY. DASH NO. | MODEL | NEXT ASSY | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES | 7.35# CALC. WT.
REPLACED BY | ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
FORGING | C.M. STEEL | AN-QQ-S-684 | 1
PART No. | STOCK | MATERIAL | SPEC. | LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY: ANNEAL
HEAT TREAT
NONE
FINISH
DRAFT | CHECK | STRUCT | MAT | APPROV | ENG
NAME BEARING-HULL-NOSE WHEEL-KEEL-FORGING
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP. HAND-
DWG SIZE D
28B5189
R



DRILL & TAP 1/4-28NF3 TH'D. AFTER BUSHING IS PRESSED IN PLACE. COUNTERBORE 9/16 DIA. NOTE POSITION IN OTHER VIEW.
LUBRICATOR ALEMITE #1636 FOR -0 ASS'Y.
.375±.005 AFTER PLATING
.250 AFTER PLATING
1/64 R. MAX.
1/32 R.
28L4046-BUSH. PRESS IN WITH WET PRIMER.
PRESS BUSHING IN AGAINST SHOULDER SUCH THAT REF. DIM. IS HELD. DO NOT USE PRIMER ON SHOULDERS OF -6 & 28L4046.
4 5/16 DIA.
4.875 DIA. AFTER PLATING
4.625 +.000 -.010 AFTER PLATING DIA.
3.875 DIA.
1/16 R.
3/8 R. MACH.
1/32 R
45° x 1/16 CHAMFER
1/4 DRILL - 4 HOLES JIG LOCATE
1/8 MIN
THIS SURFACE MAY BE MACHINED TO 1/8 MIN. THICKNESS IF NECESSARY TO PROVIDE A FLAT TRUE SURFACE
SYM. EXCEPT FOR TAPPED HOLE
SECTION A-A
℄ TAPPED HOLE
30°
℄ SYM. EXCEPT FOR TAPPED HOLE
28B5190
1/4 DRILL-52 HOLES-JIG LOCATE HOLE PATTERN IDENTICAL TO THAT OF 28B5191 (REF.).
NOTE: BREAK ALL SHARP EDGES
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
ALEMITE #1636
28L4046
-2 28-5AMN 28B5522
-0 28-5AMC 28B5522
-2 PBY-5A 28B5522
-0 PBY-5A 28B5522
ASSY DASH NO. MODEL NEXT ASSY REQ
REQUIREMENTS PER AIRPLANE
REPLACES
REPLACED BY
SCALE 12" = 1'0"
±.010
STAMP PART NUMBER WHERE SHOWN
28B5190 -6 28B5189 (FORGING)
PART NO. STOCK MATERIAL SPEC
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
HEAT TREAT
C-P (-6 ONLY)
FINISH
8/8/40
CROWE
DRAFT CHECK STRUCT MAT APPROV ENG.
NAME BEARING-HULL-NOSE WHEEL-KEEL-THRUST
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
D 28B5190



ASSY DASH NO.	MODEL	NEXT ASSY	REQ
	28-5AMC	28B5522	1
	OA-10	28B5522	1
	PBY-5A	28B5522	1

REQUIREMENTS PER AIRPLANE

REPLACES: 4.32# CALC WT.
REPLACED BY: ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: .010
SCALE: 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
	ALEMITE #1637			1				
	28L4046			1				
28B5191-0	28B5189 (FORGING)			1				

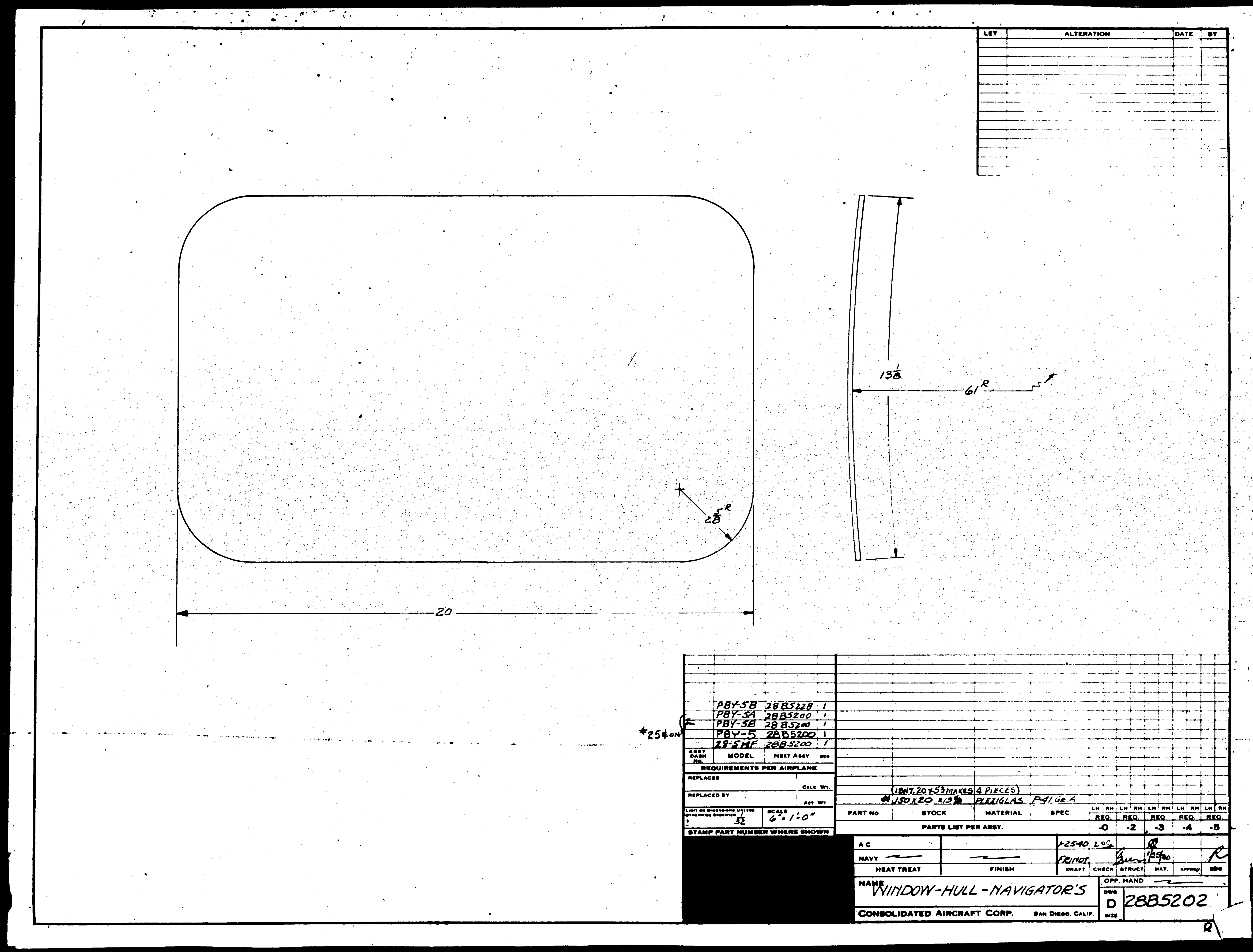
PARTS LIST PER ASSY.

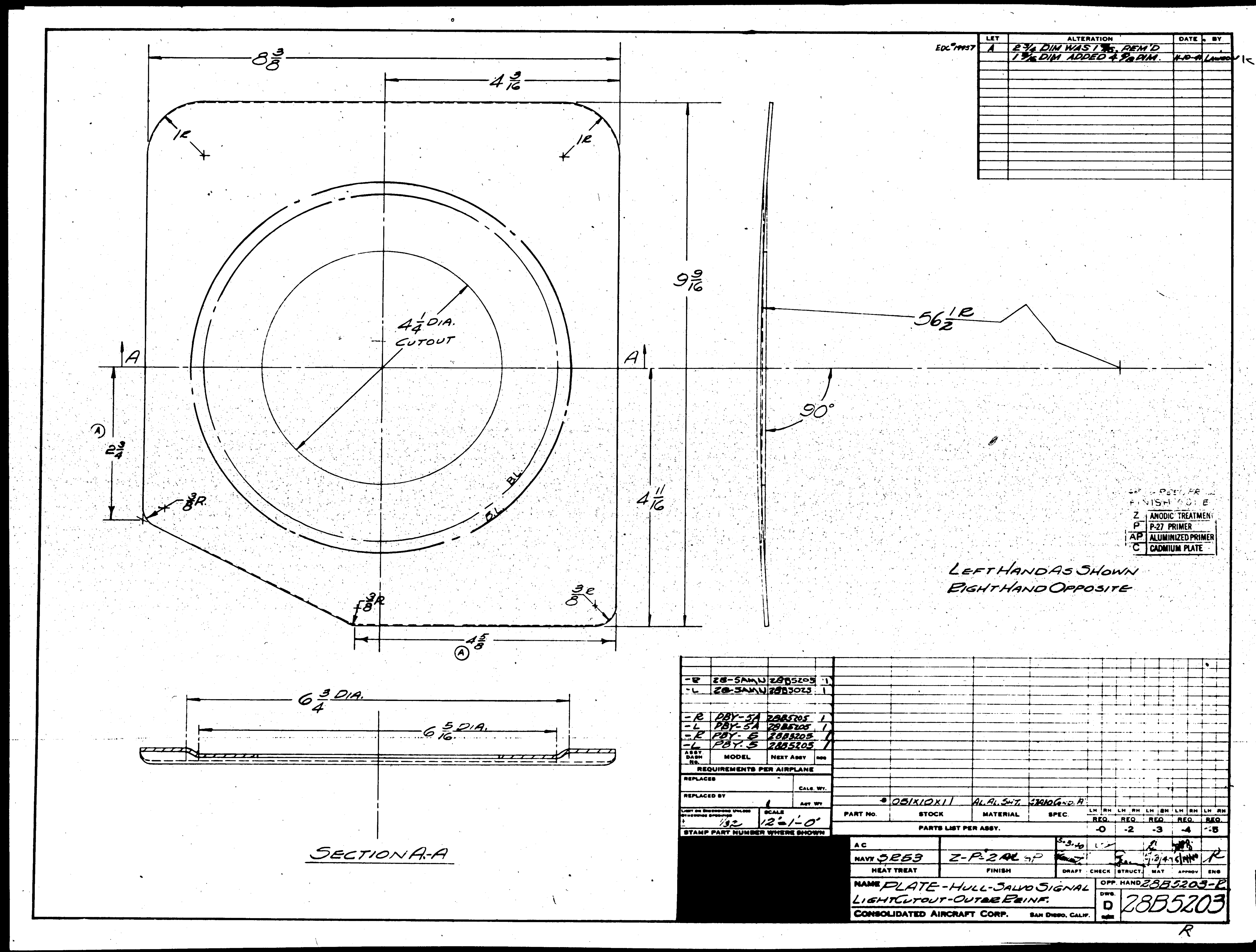
A C
NAVY 175000 % -0 ONLY — HEAT TREAT
C-P (-0 ONLY) — FINISH
DRAFT: 8/3/40 T.G. — CHECK — STRUCT — MAT — APPROV. — ENG.
OPP. HAND

NAME BEARING-HULL-NOSE WHEEL-KEEL-GLAND

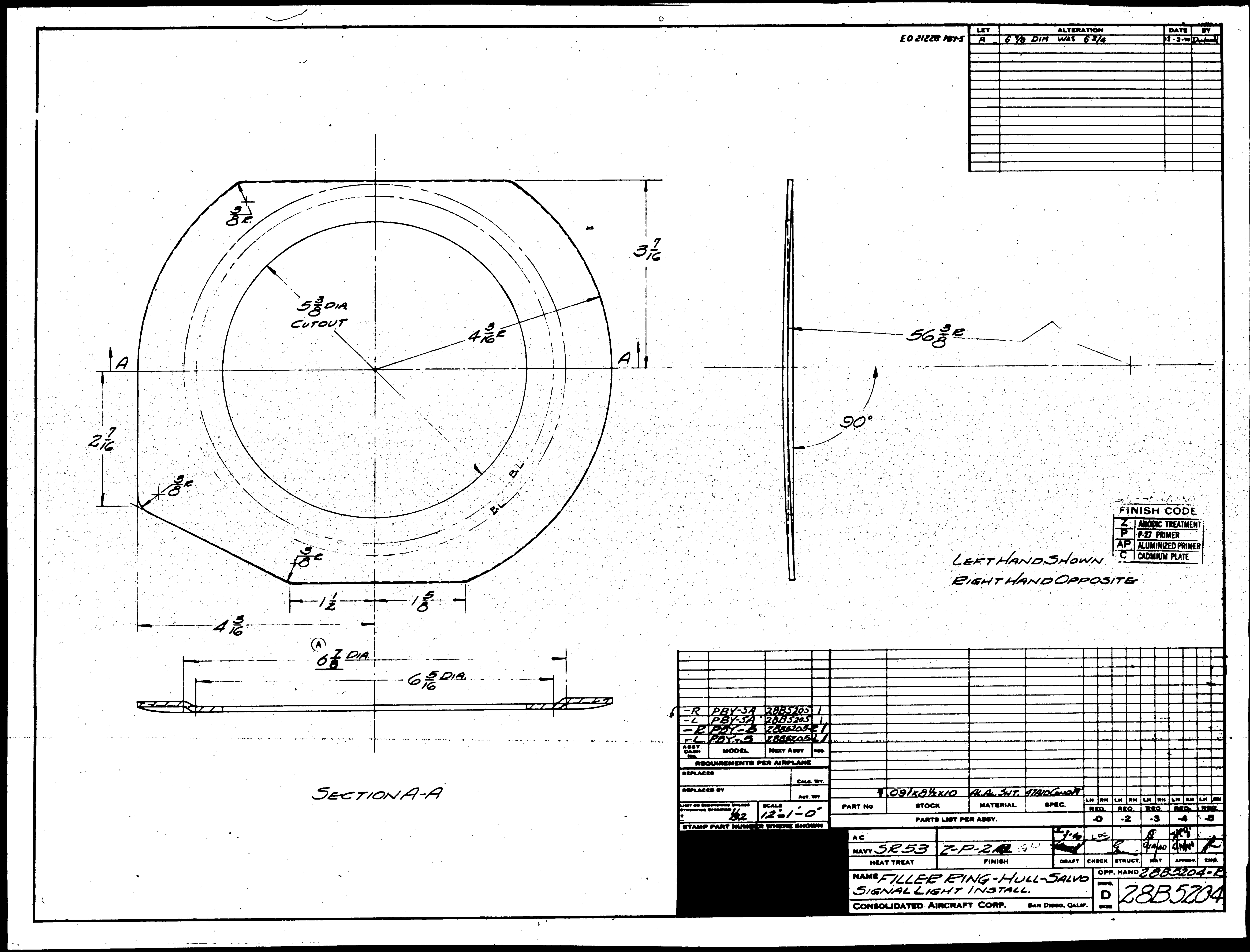
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG. SIZE D — 28B5191

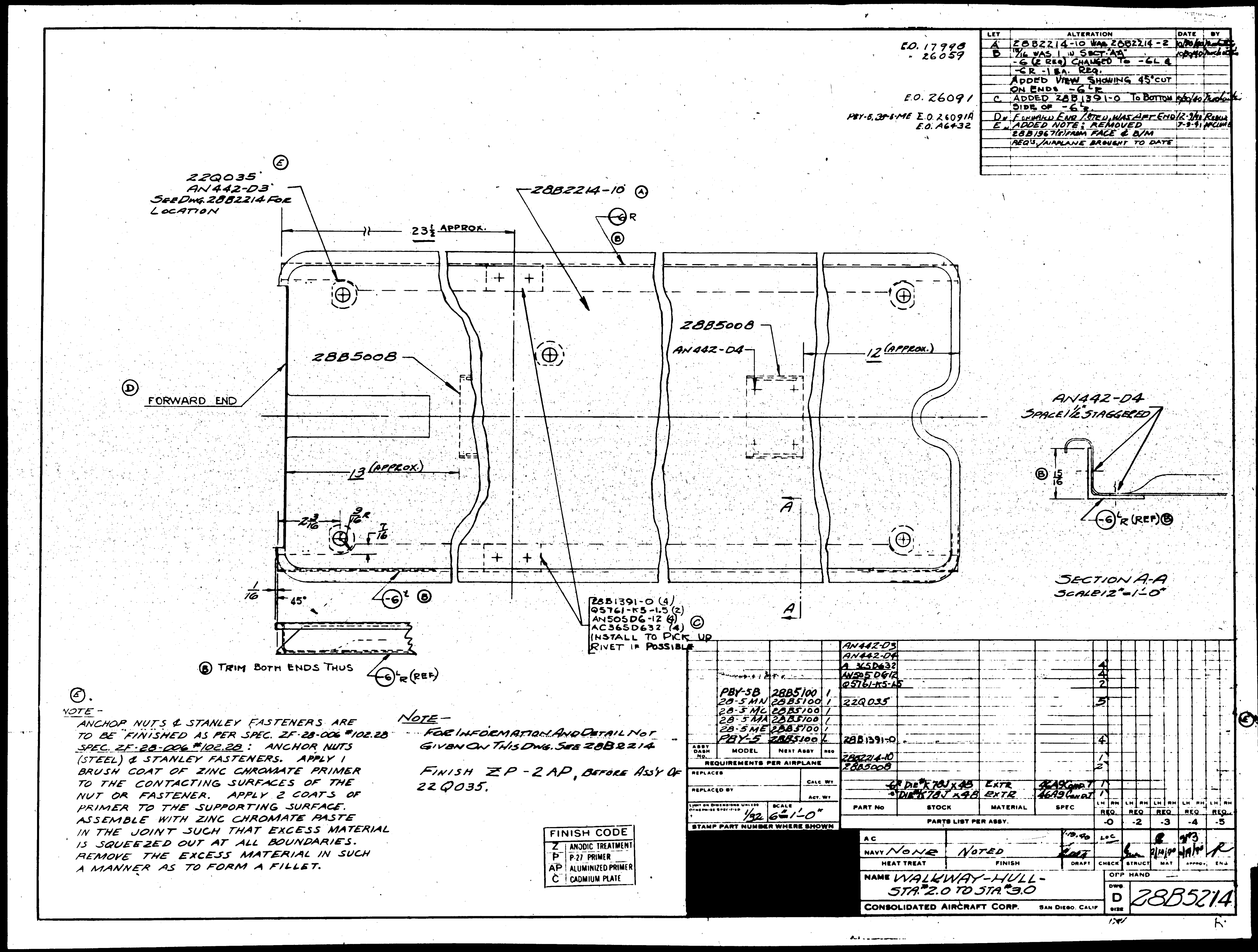

LET
ALTERATION
DATE
BY
13 1/8
61 R
2 5/8 R
20
*25¢ ON
PBY-5B 28B5228 1
PBY-5A 28B5200 1
PBY-5B 28B5200 1
PBY-5 28B5200 1
28-5MF 28B5200 1
ASSY DASH No.
MODEL
NEXT ASSY
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
CALC WT.
REPLACED BY
ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
(1 SHT. 20 x 53 MAKES 4 PIECES)
150 x 20 x 13
PLEXIGLAS
P41 GR. A
PART No
STOCK
MATERIAL
SPEC.
LH RH REQ. -0
LH RH REQ. -2
LH RH REQ. -3
LH RH REQ. -4
LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY
HEAT TREAT
FINISH
1-25-40
FRINOT
DRAFT
CHECK
STRUCT
MAT
APPROV
ENG.
NAME WINDOW-HULL-NAVIGATOR'S
OPP. HAND
DWG. D SIZE
28B5202
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.



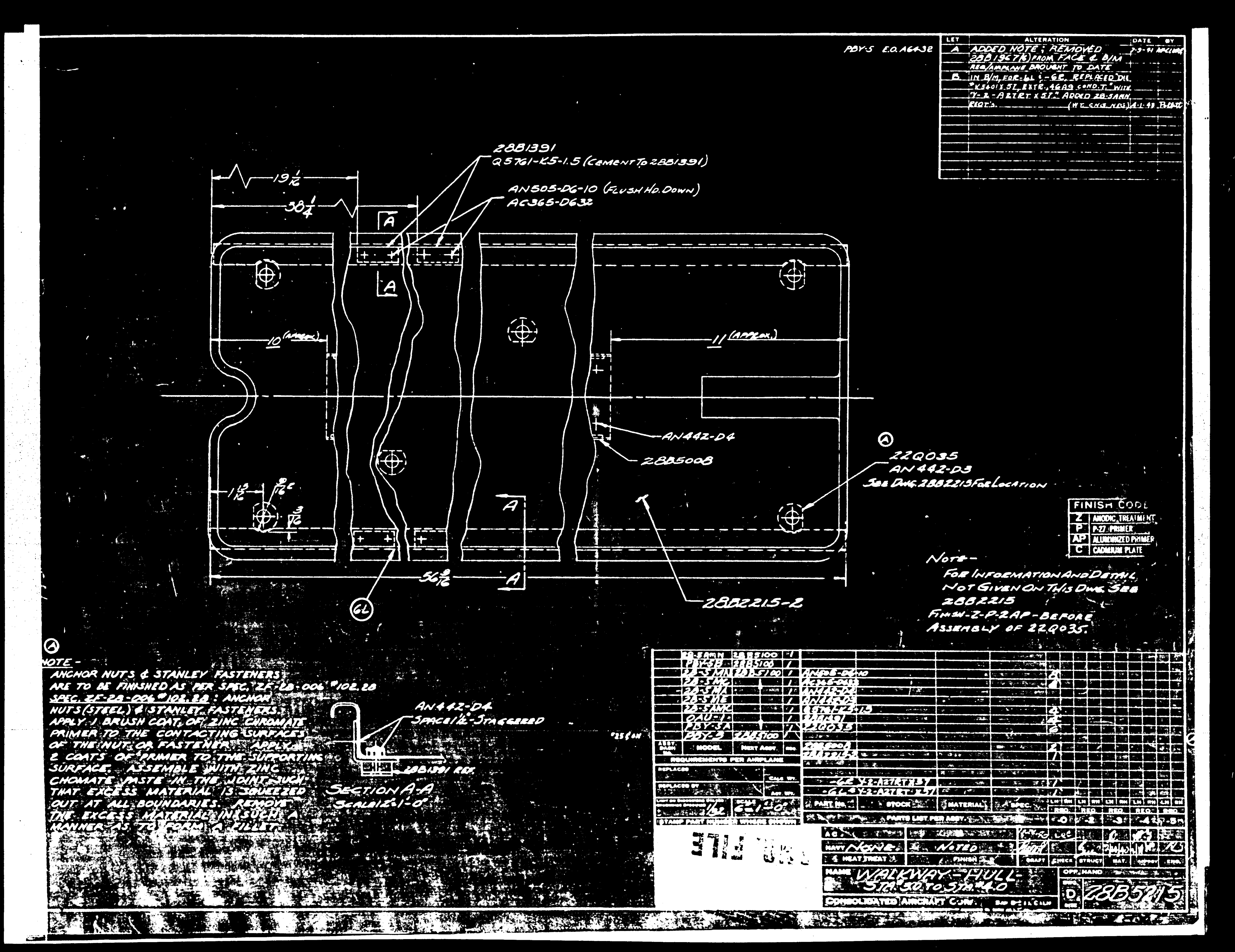
LET
ALTERATION
DATE
BY
EDC 19957
A
2 3/4 DIM WAS 1 ... REM'D
1 3/16 DIM ADDED 4 9/16 DIM.
8 3/8
4 3/16
1R
1R
9 9/16
4 1/4 DIA.
CUTOUT
A
A
2 3/4
3/8 R.
3/8 R
3/8 R
4 11/16
4 5/8
56 1/2 R
90°
LEFT HAND AS SHOWN
RIGHT HAND OPPOSITE
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
6 3/4 DIA.
6 5/16 DIA.
SECTION A-A
-R 28-5AMN 28B5205 1
-L 28-5AMN 28B5023 1
-R PBY-5A 28B5205 1
-L PBY-5A 28B5205 1
-R PBY-5 28B5205 1
-L PBY-5 28B5205 1
ASSY DASH No.
MODEL
NEXT ASSY
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
REPLACED BY
CALC. WT.
ACT WT
SCALE
1/32
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.051 X 10 X 11
AL. AL. SHT.
PART No.
STOCK
MATERIAL
SPEC.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
NAVY 3253
Z-P-2
HEAT TREAT
FINISH
DRAFT
CHECK
STRUCT.
MAT
APPROV
ENG
NAME PLATE-HULL-SALVO SIGNAL
LIGHT CUTOUT-OUTER REINF.
OPP. HAND 28B5203-R
DWG. D
28B5203
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
R



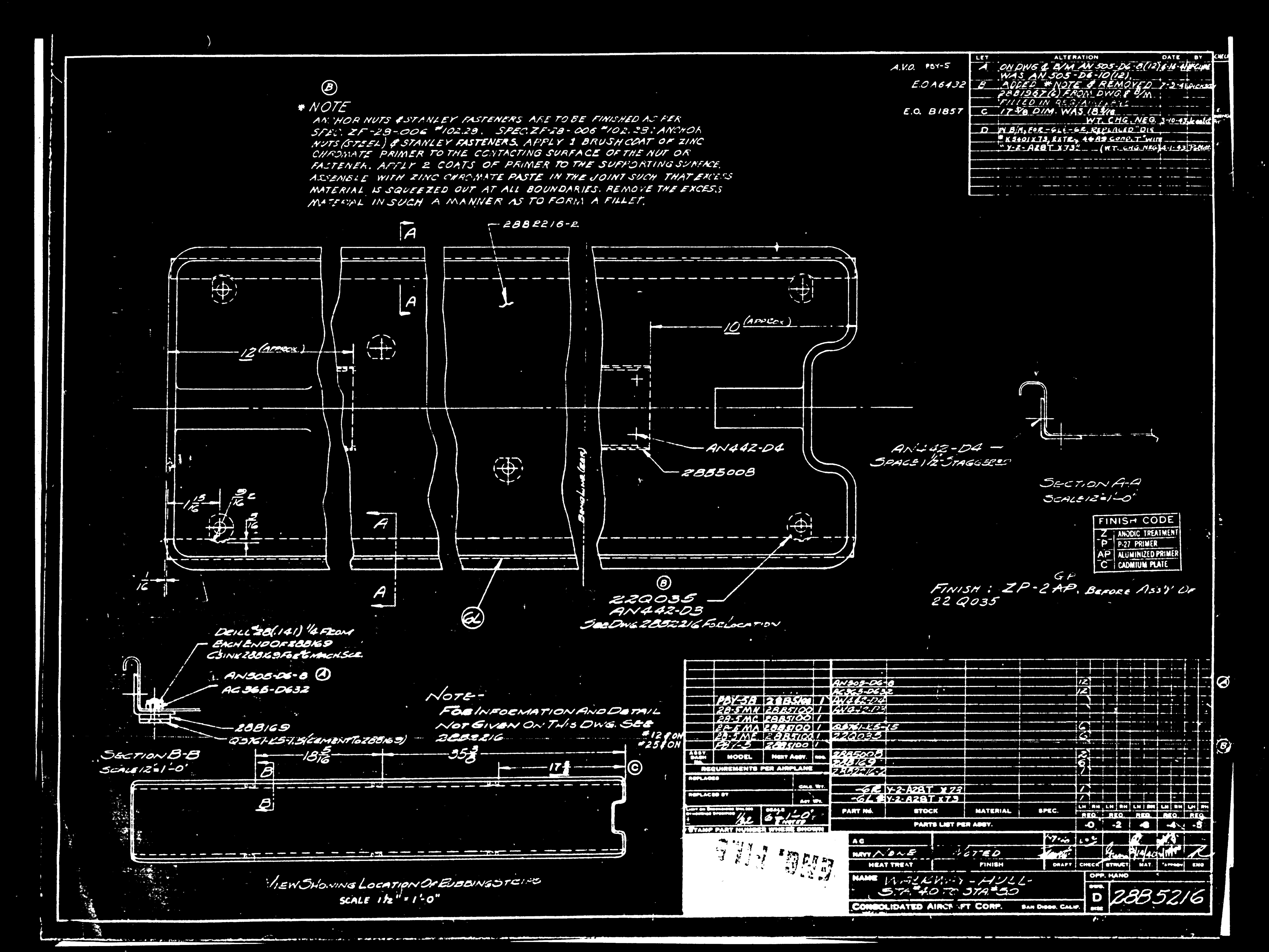
EO 21228 PBY-5
LET
ALTERATION
DATE
BY
A
6 7/8 DIM WAS 6 3/4
3/8 R.
5 3/8 DIA CUTOUT
4 3/16 R
3 7/16
A
A
2 7/16
3/8 R
3/8 R
B.L.
B.L.
1 1/2
1 5/8
4 3/16
A
6 7/8 DIA.
6 5/16 DIA.
SECTION A-A
56 3/8 R
90°
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
LEFT HAND SHOWN
RIGHT HAND OPPOSITE
-R PBY-5A 28B5205 1
-L PBY-5A 28B5205 1
-R PBY-5 28B5205 1
-L PBY-5 28B5205 1
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
SCALE
1/32
12"=1'-0"
STAMP PART NUMBER WHERE SHOWN
.091x8½x10
AL.AL. SHT.
PART No.
STOCK
MATERIAL
SPEC.
LH
RH
REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
AC
NAVY SR53
Z-P-2
HEAT TREAT
FINISH
DRAFT
CHECK
STRUCT.
MAT
APPROV.
ENG.
OPP. HAND 28B5204-R
NAME FILLER RING-HULL-SALVO SIGNAL LIGHT INSTALL.
DWG.
D
SIZE
28B5204
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.



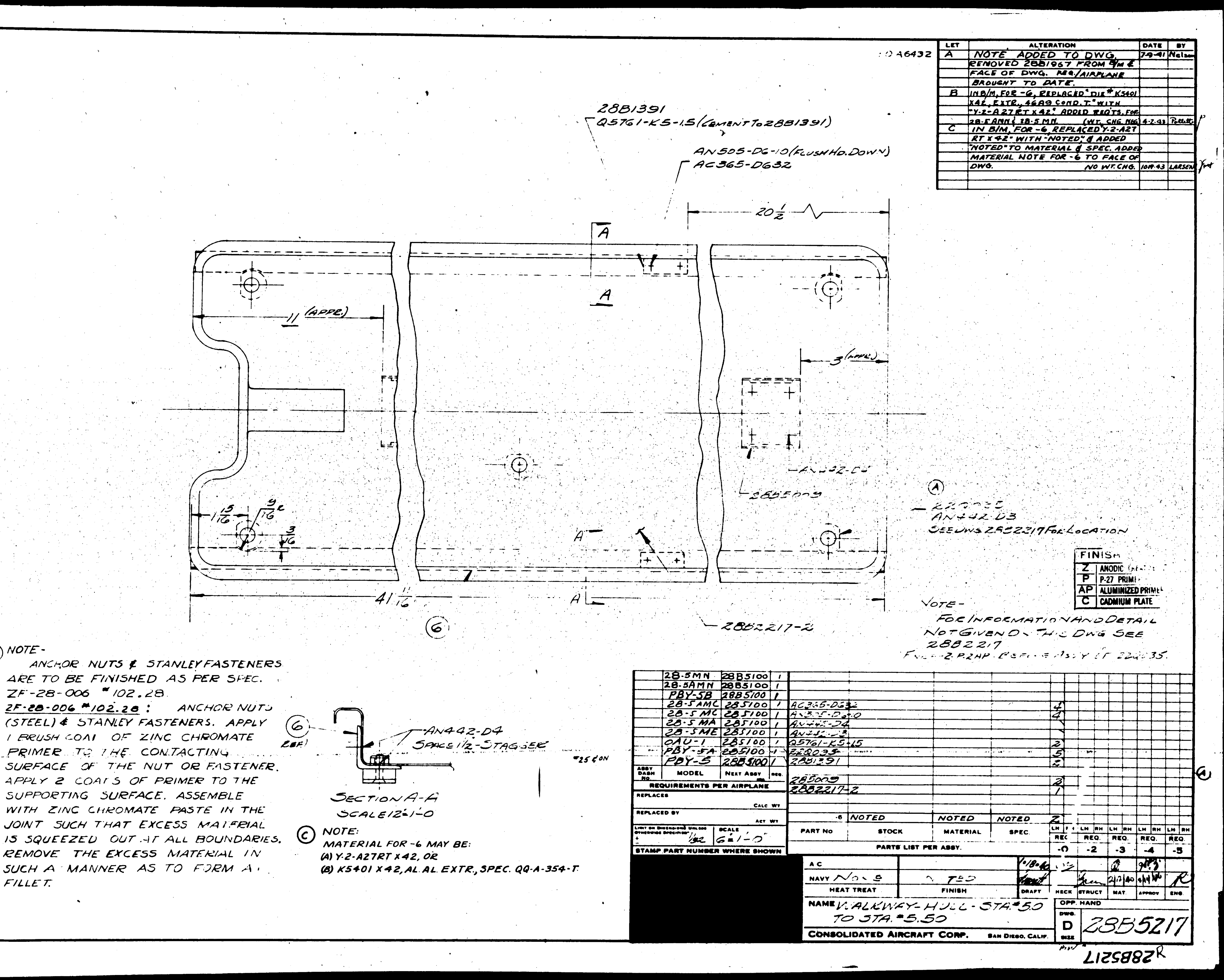
E.O. 17998
" 26059
E.O. 26091
PBY-5, 28-5-ME E.O. 26091A
E.O. A6432
LET | ALTERATION | DATE | BY
A 28B2214-10 WAS 28B2214-2
B 15/16 WAS 1 IN SECT "A-A"
-6 (2 REQ) CHANGED TO -6L & -6R - 1 EA. REQ.
ADDED VIEW SHOWING 45° CUT ON ENDS -6L R
C ADDED 28B1391-0 TO BOTTOM SIDE OF -6L R
D FORWARD END NOTED, WAS AFT END
E ADDED NOTE; REMOVED 28B1967(2) FROM FACE & B/M REQ'S, AIRPLANE BROUGHT TO DATE
22Q035
AN442-D3
SEE DWG. 28B2214 FOR LOCATION
28B2214-10
23 1/2 APPROX.
28B5008
AN442-D4
12 (APPROX.)
FORWARD END
13 (APPROX.)
2 3/16
9/16 R
1/16
1/16
45°
-6 L
B TRIM BOTH ENDS THUS
-6 L R (REF)
28B1391-0 (4)
Q5761-K5-1.5 (2)
AN505D6-12 (4)
AC365D632 (4)
(INSTALL TO PICK UP RIVET IF POSSIBLE)
A
A
AN442-D4
SPACE 1 1/2 STAGGERED
15/16
-6 L R (REF)
SECTION A-A
SCALE 12" = 1'-0"
NOTE -
ANCHOR NUTS & STANLEY FASTENERS ARE TO BE FINISHED AS PER SPEC. ZF-28-006 #102.28
SPEC. ZF-28-006 #102.28: ANCHOR NUTS (STEEL) & STANLEY FASTENERS. APPLY 1 BRUSH COAT OF ZINC CHROMATE PRIMER TO THE CONTACTING SURFACES OF THE NUT OR FASTENER. APPLY 2 COATS OF PRIMER TO THE SUPPORTING SURFACE. ASSEMBLE WITH ZINC CHROMATE PASTE IN THE JOINT SUCH THAT EXCESS MATERIAL IS SQUEEZED OUT AT ALL BOUNDARIES. REMOVE THE EXCESS MATERIAL IN SUCH A MANNER AS TO FORM A FILLET.
NOTE -
FOR INFORMATION AND DETAIL NOT GIVEN ON THIS DWG. SEE 28B2214
FINISH ZP-2AP, BEFORE ASS'Y OF 22Q035.
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
PBY-5B 28B5100 1
28-5MN 28B5100 1
28-5MC 28B5100 1
28-5MA 28B5100 1
28-5ME 28B5100 1
PBY-5 28B5100 1
MODEL | NEXT ASSY | REQ
REQUIREMENTS PER AIRPLANE
AN442-D3
AN442-D4 4
AC365D632 4
AN505D612 4
Q5761-K5-1.5 2
22Q035 3
28B1391-0 4
28B2214-10 1
28B5008 2
-6R DIE #K78J x 48 EXTR 24ST 1
-6L DIE #K78J x 48 EXTR 24ST 1
PART No | STOCK | MATERIAL | SPEC
PARTS LIST PER ASSY.
SCALE 6" = 1'-0"
NAVY NONE | NOTED
HEAT TREAT | FINISH | DRAFT | CHECK | STRUCT | MAT | APPROV. | ENG
NAME WALKWAY-HULL-STA. #2.0 TO STA. #3.0
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
D 28B5214



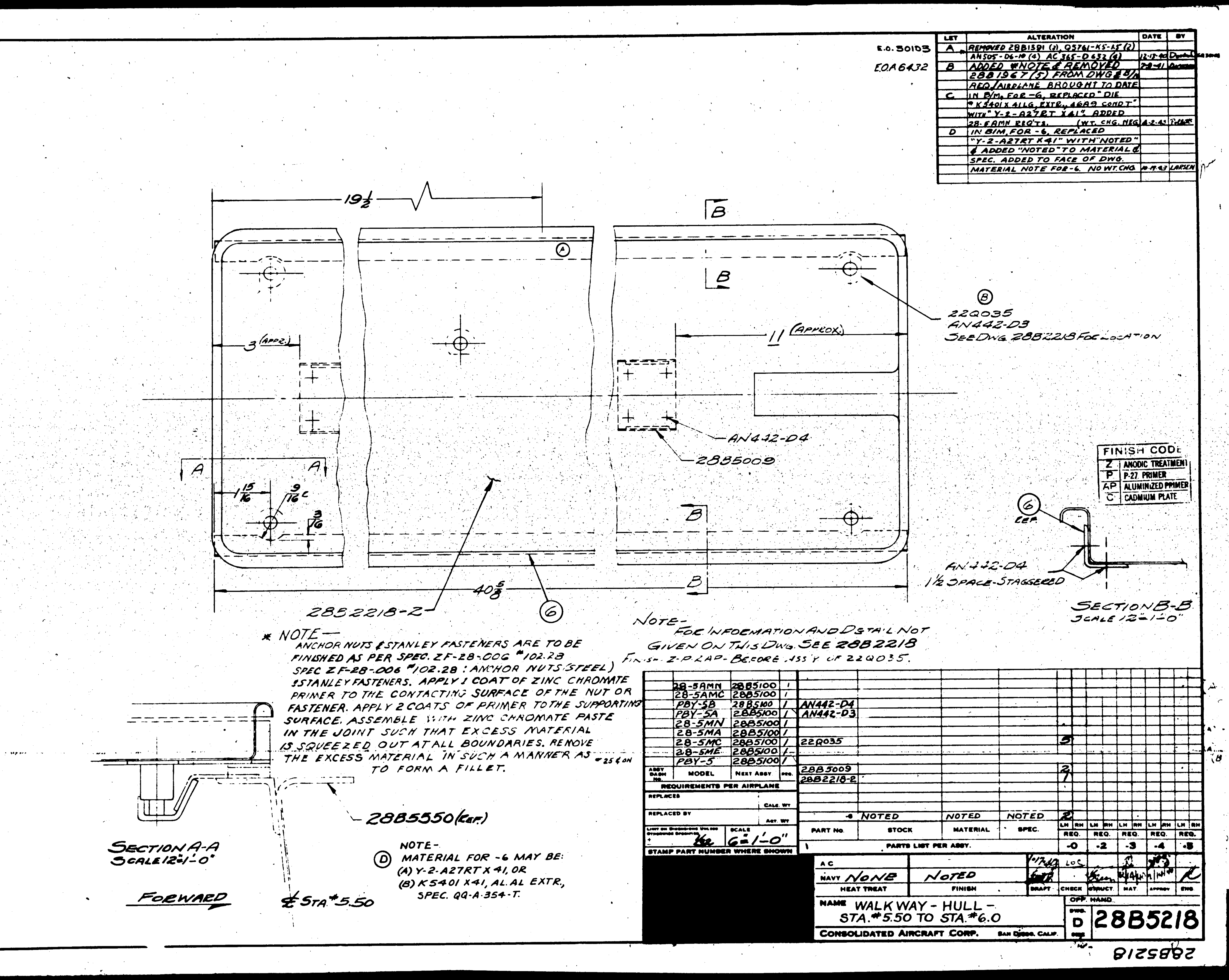
PBY-5 E.O. A6432
LET
ALTERATION
DATE
BY
A ADDED NOTE; REMOVED 28B1967(6) FROM FACE & B/M REQ/AIRPLANE BROUGHT TO DATE
B IN B/M FOR -6L & -6R, REPLACED DIE
28B1391
Q5761-K5-1.5 (CEMENT TO 28B1391)
AN505-D6-10 (FLUSH HD. DOWN)
AC365-D632
19 1/16
38 1/4
A
10 (APPROX.)
11 (APPROX.)
AN442-D4
28B5008
22Q035
AN442-D3
SEE DWG. 28B2215 FOR LOCATION
56 9/16
6L
28B2215-2
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
NOTE-
FOR INFORMATION AND DETAIL NOT GIVEN ON THIS DWG. SEE 28B2215
FINISH-Z-P-2AP-BEFORE ASSEMBLY OF 22Q035.
NOTE-
ANCHOR NUTS & STANLEY FASTENERS ARE TO BE FINISHED AS PER SPEC. ZF-28-006 #102.28
SPEC. ZF-28-006 #102.28: ANCHOR NUTS (STEEL) & STANLEY FASTENERS: APPLY 1 BRUSH COAT OF ZINC CHROMATE PRIMER TO THE CONTACTING SURFACES OF THE NUT OR FASTENER. APPLY 2 COATS OF PRIMER TO THE SUPPORTING SURFACE. ASSEMBLE WITH ZINC CHROMATE PASTE IN THE JOINT SUCH THAT EXCESS MATERIAL IS SQUEEZED OUT AT ALL BOUNDARIES. REMOVE THE EXCESS MATERIAL IN SUCH A MANNER AS TO FORM A FILLET.
AN442-D4
SPACE 1 1/2" - STAGGERED
28B1391 REF.
SECTION A-A
SCALE 12"=1'-0"
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASSY.
-6R Y-2-A27RT X 57
-6L Y-2-A27RT X 57
NOTED
DWG. FILE
NAME WALKWAY - HULL - STA. 3.0 TO STA. 4.0
CONSOLIDATED AIRCRAFT CORP.
D 28B5215

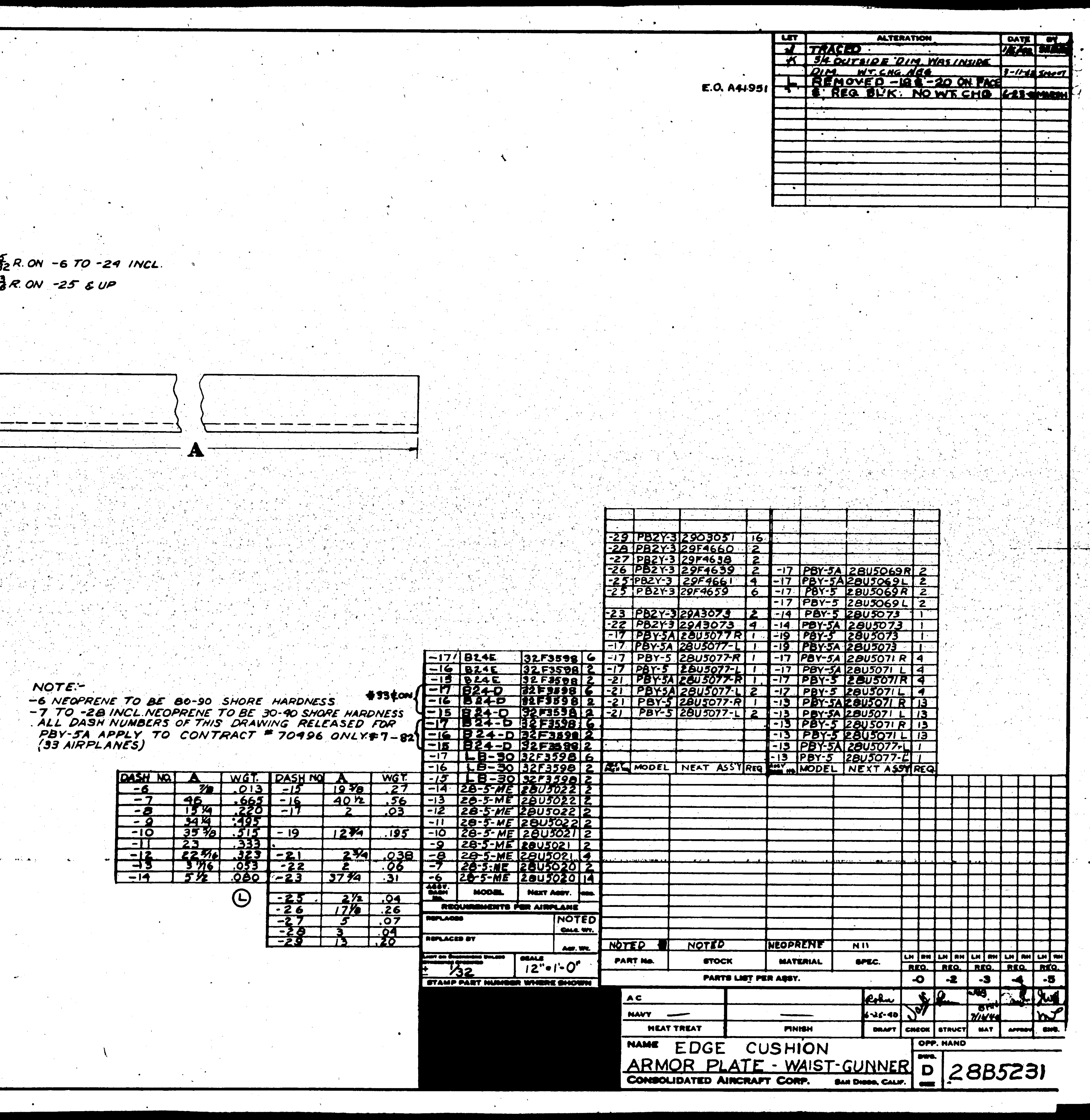


* NOTE
ANCHOR NUTS & STANLEY FASTENERS ARE TO BE FINISHED AS PER SPEC. ZF-28-006 #102.28. SPEC. ZF-28-006 #102.28: ANCHOR NUTS (STEEL) & STANLEY FASTENERS. APPLY 1 BRUSH COAT OF ZINC CHROMATE PRIMER TO THE CONTACTING SURFACE OF THE NUT OR FASTENER. APPLY 2 COATS OF PRIMER TO THE SUPPORTING SURFACE. ASSEMBLE WITH ZINC CHROMATE PASTE IN THE JOINT SUCH THAT EXCESS MATERIAL IS SQUEEZED OUT AT ALL BOUNDARIES. REMOVE THE EXCESS MATERIAL IN SUCH A MANNER AS TO FORM A FILLET.
28B2216-2
12 (APPROX)
10 (APPROX)
AN442-D4
28B5008
AN442-D4 — SPACE 1½" STAGGERED
SECTION A-A
SCALE 12"=1'-0"
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
FINISH: ZP-2AP. BEFORE ASS'Y OF 22Q035
22Q035
AN442-D3
SEE DWG 28B2216 FOR LOCATION
BEND LINE (REF)
DRILL #28 (.141) ¼ FROM EACH END OF 28B169
CSINK 28B169 FOR #6 MACH SCR.
AN505-D6-8
AC365-D632
28B169
Q3761-K5-7.5 (CEMENT TO 28B169)
SECTION B-B
SCALE 12"=1'-0"
NOTE - FOR INFORMATION AND DETAIL NOT GIVEN ON THIS DWG. SEE 28B2216
18 5/16
35 3/8
17 7/8
VIEW SHOWING LOCATION OF RUBBING STRIPS
SCALE 1½" = 1'-0"
A.V.O. PBY-5
E.O. A6432
E.O. B1857
A ON DWG & B/M AN505-D6-8 (12) WAS AN505-D6-10 (12).
B ADDED * NOTE & REMOVED 28B1967 (6) FROM DWG & B/M. FILLED IN REQ'D/A/P. AREA
C 17 7/8 DIM. WAS 18 3/16. WT. CHG. NEG.
D IN B/M, FOR -6L, -6R, REPLACED "DIS # K5401 X 73, EXTR., 44A9 COND. T" WITH "Y-2-A2BT X 73" (WT. CHG. NEG.)
PBY-5B 28B5100 1
28-5MN 28B5100 1
28-5MC 28B5100 1
28-5MA 28B5100 1
28-5ME 28B5100 1
P2Y-5 28B5100 1
AN505-D6-8 12
AC365-D632 12
AN442-D4
AN442-D3
Q3761-K5-15 6
22Q035 6
28B5008 2
28B169 6
28B2216-2 1
-6R Y-2-A2BT X73 1
-6L Y-2-A2BT X73 1
REQUIREMENTS PER AIRPLANE
PART NO. STOCK MATERIAL SPEC.
PARTS LIST PER ASSY.
NAVY NONE
NOTED
HEAT TREAT FINISH DRAFT CHECK STRUCT MAT. APPROV ENG
NAME WALKWAY - HULL - STA. #4.0 TO STA. #5.0
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
D 28B5216



ALTERATION
A NOTE ADDED TO DWG. REMOVED 28B1967 FROM B/M & FACE OF DWG. REQ/AIRPLANE BROUGHT TO DATE. 7-9-41 Nelson
B IN B/M, FOR -6, REPLACED "DIE * K5401 X42, EXTR., 46A9 COND. T" WITH "Y-2-A27RT X 42" ADDED REQ'TS. FOR 28-5AMN & 28-5MN. (WT. CHG NEG) 4-7-43
C IN B/M, FOR -6, REPLACED "Y-2-A27 RT X 42" WITH "NOTED" & ADDED "NOTED" TO MATERIAL & SPEC. ADDED MATERIAL NOTE FOR -6 TO FACE OF DWG. NO WT. CHG. 10-19-43 LARSEN
28B1391
Q5761-K5-1.5 (CEMENT TO 28B1391)
AN505-D6-10 (FLUSH HD. DOWN)
AC365-D632
20 1/2
11 (APPR.)
3 (APPR.)
28B5009
AN442-D3
SEE DWG 28B2217 FOR LOCATION
41 11/16
28B2217-2
FINISH
Z ANODIC
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
NOTE - FOR INFORMATION AND DETAIL NOT GIVEN ON THIS DWG SEE 28B2217
(A) NOTE - ANCHOR NUTS & STANLEY FASTENERS ARE TO BE FINISHED AS PER SPEC. ZF-28-006 * 102.28
ZF-28-006 * 102.28 : ANCHOR NUTS (STEEL) & STANLEY FASTENERS. APPLY 1 BRUSH COAT OF ZINC CHROMATE PRIMER TO THE CONTACTING SURFACE OF THE NUT OR FASTENER. APPLY 2 COATS OF PRIMER TO THE SUPPORTING SURFACE. ASSEMBLE WITH ZINC CHROMATE PASTE IN THE JOINT SUCH THAT EXCESS MATERIAL IS SQUEEZED OUT AT ALL BOUNDARIES. REMOVE THE EXCESS MATERIAL IN SUCH A MANNER AS TO FORM A FILLET.
AN442-D4 SPACE 1 1/2 - STAGGER
SECTION A-A SCALE 12"=1'-0
(C) NOTE: MATERIAL FOR -6 MAY BE: (A) Y-2-A27RT X 42, OR (B) K5401 X 42, AL. AL. EXTR., SPEC. QQ-A-354-T.
28-5MN 28B5100 1
28-5AMN 28B5100 1
PBY-5B 28B5100 1
28-5AMC 28B5100 1
28-5MC 28B5100 1
28-5MA 28B5100 1
28-5ME 28B5100 1
OA-10 28B5100 1
PBY-5A 28B5100 1
PBY-5 28B5100 1
AC365-D632 4
AN505-D6-10 4
AN442-D4
AN442-D3
Q5761-K5-1.5 2
28B1391 2
28B5009 2
28B2217-2 1
-6 NOTED NOTED NOTED 2
MODEL NEXT ASSY REQ.
REQUIREMENTS PER AIRPLANE
PART No STOCK MATERIAL SPEC.
PARTS LIST PER ASSY.
SCALE 6"=1'-0"
HEAT TREAT FINISH DRAFT CHECK STRUCT MAT. APPROV ENG.
NAME WALKWAY - HULL - STA. *5.0 TO STA. *5.50
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
D 28B5217
28B5217R


E.O. 50103
E.O.A 6432
LET
ALTERATION
DATE
BY
A
REMOVED 28B1391 (2), Q5761-K5-15 (2) AN505-06-10 (4) AC365-D632 (4)
B
ADDED *NOTE & REMOVED 28B1967 (5) FROM DWG & B/M REQ./AIRPLANE BROUGHT TO DATE
C
IN B/M, FOR -6, REPLACED "DIE # K5401 X 41LG. EXTR., 46A9 COND'T" WITH "Y-2-A27RT X41" ADDED 28-5AMN REQ'TS. (WT. CHG. NEG.)
D
IN B/M, FOR -6, REPLACED "Y-2-A27RT X41" WITH "NOTED" & ADDED "NOTED" TO MATERIAL & SPEC. ADDED TO FACE OF DWG. MATERIAL NOTE FOR -6. NO WT. CHG.
LARSEN
19 1/2
B
B
A
22Q035
AN442-D3
SEE DWG. 28B2218 FOR LOCATION
3 (APPR.)
11 (APPROX.)
AN442-D4
28B5009
A
A
1 15/16
9/16 C
3/16
B
B
40 5/8
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
6 REF.
AN442-D4
1 1/2 SPACE-STAGGERED
SECTION B-B
SCALE 12"=1'-0"
28B2218-Z
6
NOTE-
FOR INFORMATION AND DETAIL NOT GIVEN ON THIS DWG. SEE 28B2218
FINISH- Z-P-LAP- BEFORE ASS'Y OF 22Q035.
* NOTE—
ANCHOR NUTS & STANLEY FASTENERS ARE TO BE FINISHED AS PER SPEC. ZF-28-006 #102.28
SPEC ZF-28-006 #102.28 : ANCHOR NUTS (STEEL) & STANLEY FASTENERS. APPLY 1 COAT OF ZINC CHROMATE PRIMER TO THE CONTACTING SURFACE OF THE NUT OR FASTENER. APPLY 2 COATS OF PRIMER TO THE SUPPORTING SURFACE. ASSEMBLE WITH ZINC CHROMATE PASTE IN THE JOINT SUCH THAT EXCESS MATERIAL IS SQUEEZED OUT AT ALL BOUNDARIES. REMOVE THE EXCESS MATERIAL IN SUCH A MANNER AS TO FORM A FILLET.
28B5550 (REF.)
SECTION A-A
SCALE 12"=1'-0"
FORWARD
℄ STA. #5.50
NOTE-
D MATERIAL FOR -6 MAY BE:
(A) Y-2-A27RT X 41, OR
(B) K5401 X41, AL. AL EXTR., SPEC. QQ-A-354-T.
28-5AMN 28B5100 1
28-5AMC 28B5100 1
PBY-5B 28B5100 1 AN442-D4
PBY-5A 28B5100 1 AN442-D3
28-5MN 28B5100 1
28-5MA 28B5100 1
28-5MC 28B5100 1 22Q035 5
28-5ME 28B5100 1
PBY-5 28B5100 1 28B5009 2
ASSY DASH NO. MODEL NEXT ASSY REQ. 28B2218-2 1
REQUIREMENTS PER AIRPLANE
REPLACES
CALC. WT.
REPLACED BY
ACT. WT.
SCALE 1/2 6"=1'-0"
STAMP PART NUMBER WHERE SHOWN
-6 NOTED NOTED NOTED 2
PART NO. STOCK MATERIAL SPEC.
LH RH REQ. -0 -2 -3 -4 -5
PARTS LIST PER ASSY.
A C
NAVY NONE
HEAT TREAT
NOTED
FINISH
DRAFT CHECK STRUCT MAT APPROV ENG
OPP. HAND
NAME WALK WAY - HULL - STA. #5.50 TO STA. #6.0
DWG. D 28B5218
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
28B5218



LET	ALTERATION	DATE	BY
J	TRACED		
K	3/4 OUTSIDE DIM. WAS INSIDE DIM. WT. CHG. NEG.	3-11-42	
L	REMOVED -18 & -20 ON FACE & REQ. BL'K: NO WT. CHG.	6-23	

NOTE:-
-6 NEOPRENE TO BE 80-90 SHORE HARDNESS
-7 TO -28 INCL. NEOPRENE TO BE 30-40 SHORE HARDNESS
ALL DASH NUMBERS OF THIS DRAWING RELEASED FOR PBY-5A APPLY TO CONTRACT # 70496 ONLY. #7-82 (33 AIRPLANES)

DASH NO.	A	WGT.	DASH NO.	A	WGT.
-6	7/8	.013	-15	19 7/8	.27
-7	46	.665	-16	40 1/2	.56
-8	15 1/4	.220	-17	2	.03
-9	34 1/4	.495			
-10	35 3/8	.515	-19	12 3/4	.195
-11	23	.333			
-12	22 5/16	.323	-21	2 3/4	.038
-13	3 7/16	.053	-22	2	.06
-14	5 1/2	.080	-23	37 3/4	.31
			-25	2 1/2	.04
			-26	17 1/8	.26
			-27	5	.07
			-28	3	.04
			-29	13	.20

(L)

REQUIREMENTS PER AIRPLANE

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
-17	B24E	32F3598	6
-16	B24E	32F3598	2
-15	B24E	32F3598	2
-17	B24-D	32F3598	6
-16	B24-D	32F3598	2
-15	B24-D	32F3598	2
-17	B24-D	32F3598	6
-16	B24-D	32F3598	2
-15	B24-D	32F3598	2
-17	LB-30	32F3598	6
-16	LB-30	32F3598	2
-15	LB-30	32F3598	2
-14	28-5-ME	28U5022	2
-13	28-5-ME	28U5022	2
-12	28-5-ME	28U5022	2
-11	28-5-ME	28U5022	2
-10	28-5-ME	28U5021	2
-9	28-5-ME	28U5021	2
-8	28-5-ME	28U5021	4
-7	28-5-ME	28U5020	2
-6	28-5-ME	28U5020	14

#33 ON (B24-D group); #7-82 (B24-D group)

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.	ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
-29	PB2Y-3	2903051	16				
-28	PB2Y-3	29F4660	2				
-27	PB2Y-3	29F4638	2				
-26	PB2Y-3	29F4639	2	-17	PBY-5A	28U5069R	2
-25	PB2Y-3	29F4661	4	-17	PBY-5A	28U5069L	2
-25	PB2Y-3	29F4659	6	-17	PBY-5	28U5069R	2
				-17	PBY-5	28U5069L	2
-23	PB2Y-3	29A3073	2	-14	PBY-5	28U5073	1
-22	PB2Y-3	29A3073	4	-14	PBY-5A	28U5073	1
-17	PBY-5A	28U5077R	1	-19	PBY-5	28U5073	1
-17	PBY-5A	28U5077-L	1	-19	PBY-5A	28U5073	1
-17	PBY-5	28U5077-R	1	-17	PBY-5A	28U5071 R	4
-17	PBY-5	28U5077-L	1	-17	PBY-5A	28U5071 L	4
-21	PBY-5A	28U5077-R	1	-17	PBY-5	28U5071R	4
-21	PBY-5A	28U5077-L	2	-17	PBY-5	28U5071 L	4
-21	PBY-5	28U5077-R	1	-13	PBY-5A	28U5071 R	13
-21	PBY-5	28U5077-L	2	-13	PBY-5A	28U5071 L	13
				-13	PBY-5	28U5071 R	13
				-13	PBY-5	28U5071 L	13
				-13	PBY-5A	28U5077-L	1
				-13	PBY-5	28U5077-L	1

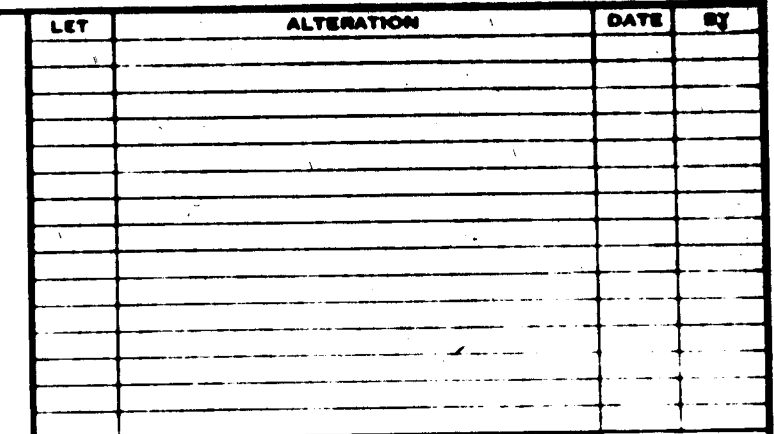
REPLACES — NOTED CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.
NOTED	NOTED	NEOPRENE	N11

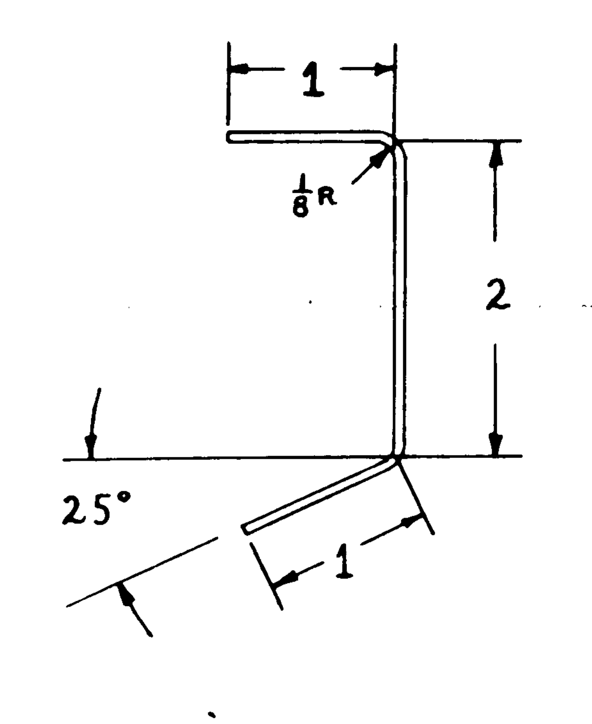
PARTS LIST PER ASSY. — REQ. -0, -2, -3, -4, -5 (LH / RH)

A C — NAVY — HEAT TREAT — FINISH — DRAFT 6-25-40 — CHECK — STRUCT — MAT 7/1/40 — APPROV. — ENG.

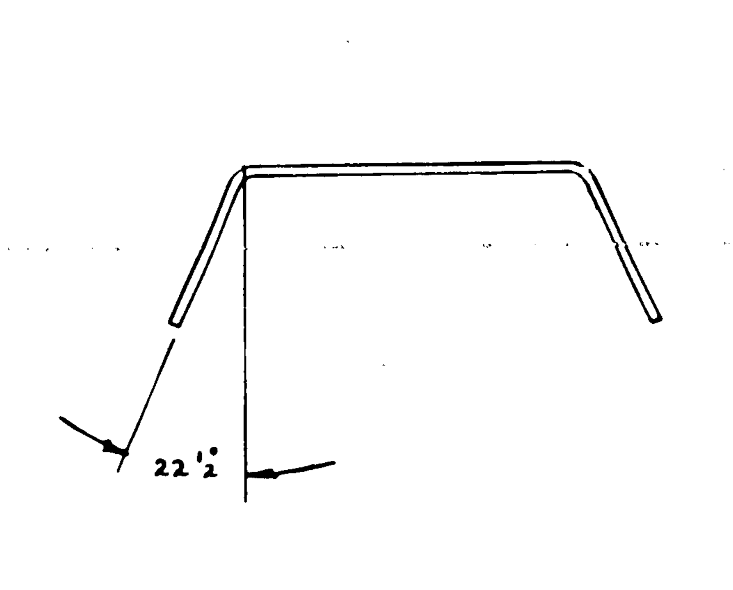
NAME EDGE CUSHION
ARMOR PLATE - WAIST-GUNNER
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP. HAND
DWG. SIZE D
28B5231



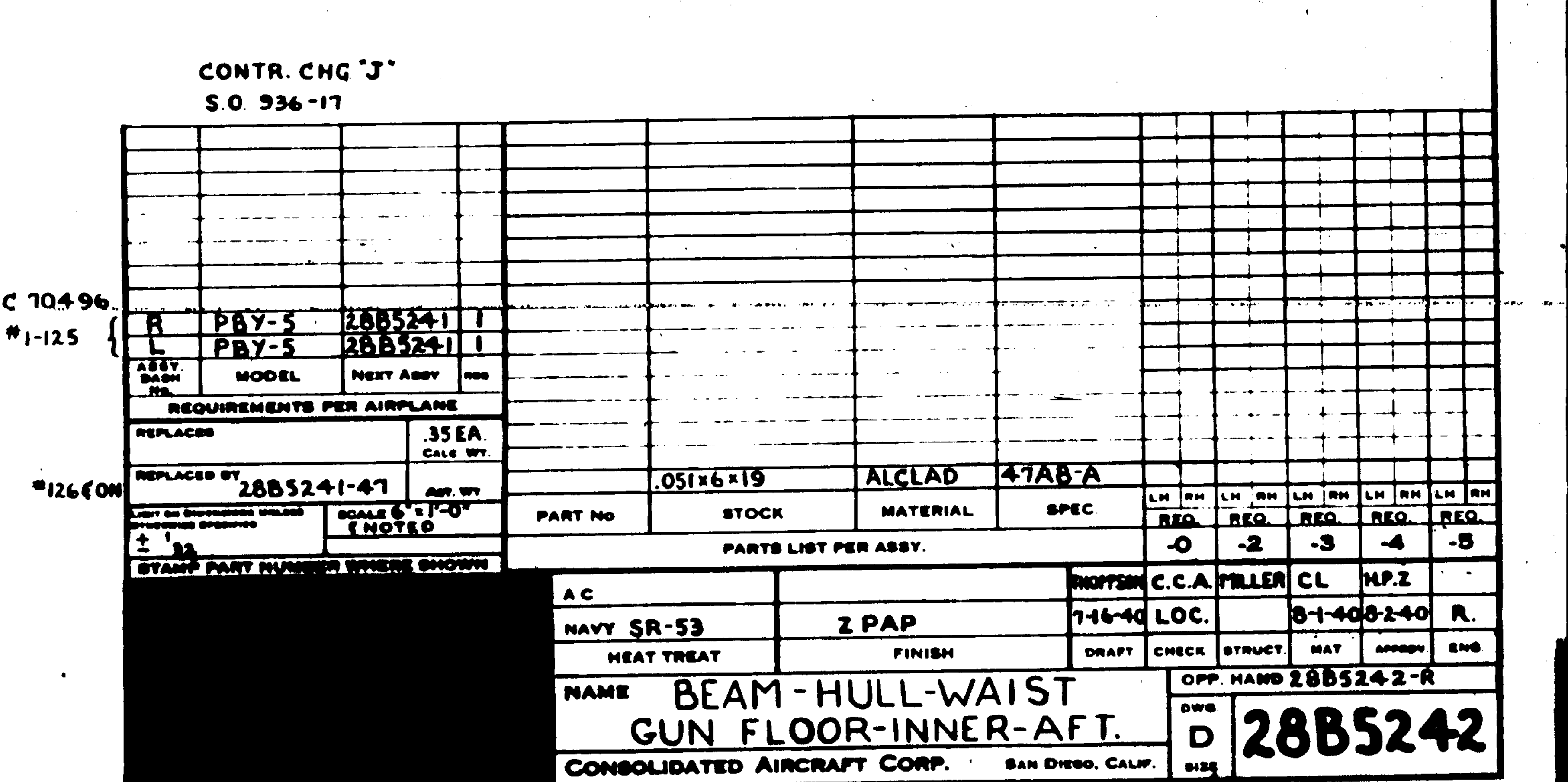
A
A
16 27/32
13 1/4 R
73° (REF)
C
C
B
1 3/4
4
2
JOGGLE .051



SECTION A-A
SCALE: 12"=1'-0"



SECTION B-B
SCALE: 12"=1'-0"



CONTR. CHG "J"
S.O. 936-17

C 70496
#1-125

R	PBY-5	28B5241	1
L	PBY-5	28B5241	1
ASSY. DASH NO.	MODEL	NEXT ASSY	REQ

REQUIREMENTS PER AIRPLANE

REPLACES	.35 EA. CALC WT.
REPLACED BY 28B5241-47	ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	SCALE 6"=1'-0" & NOTED

#126 & ON

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC
	.051×6×19	ALCLAD	47A8-A

PARTS LIST PER ASSY.

LH	RH	LH	RH	LH	RH	LH	RH	LH	RH
REQ.		REQ.		REQ.		REQ.		REQ.	
-0		-2		-3		-4		-5	

AC		THOMPSON	C.C.A.	MILLER	CL	H.P.Z	-
NAVY SR-53	Z PAP	7-16-40	LOC.		8-1-40	8-2-40	R.
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT	APPROV.	ENG

NAME BEAM-HULL-WAIST GUN FLOOR-INNER-AFT.

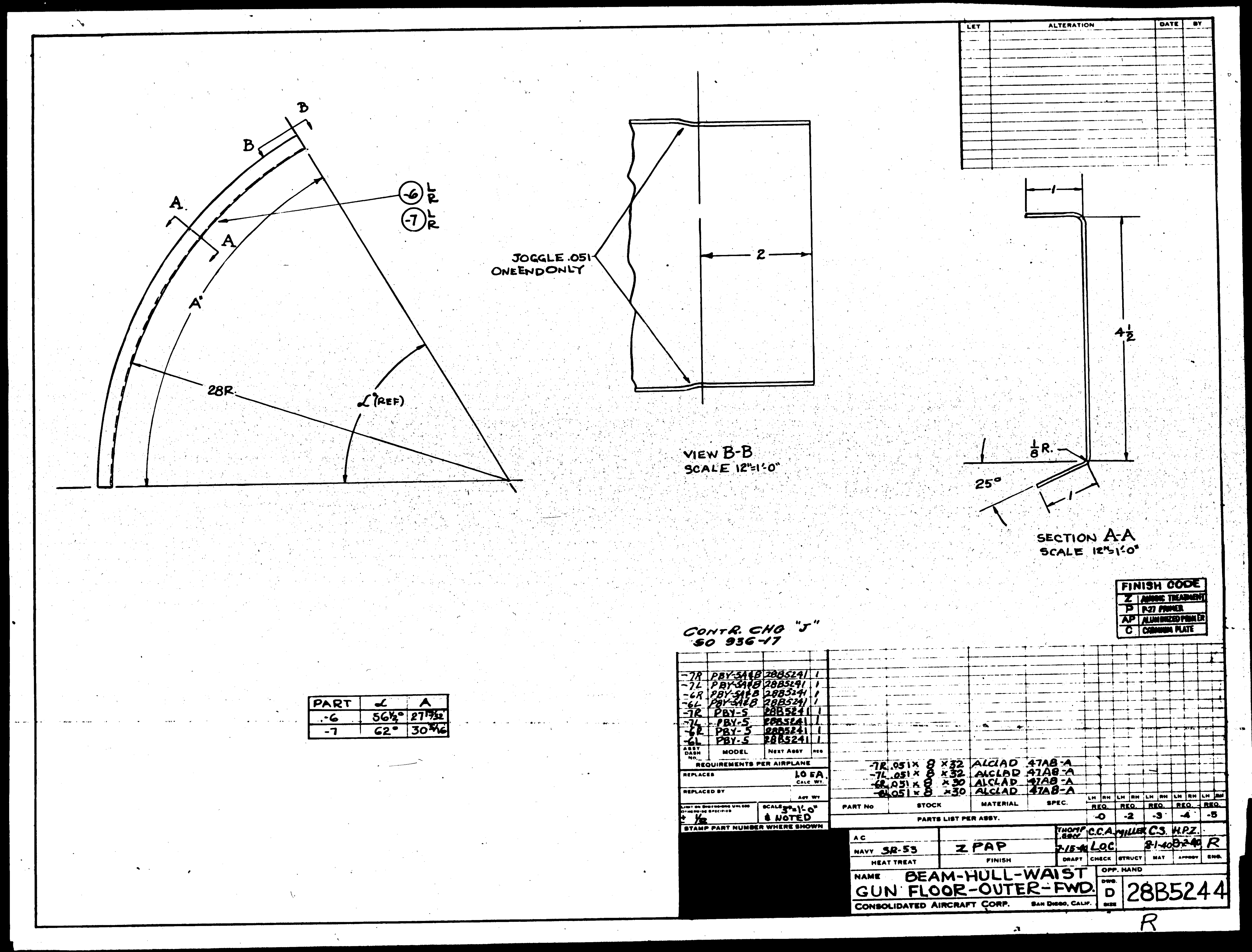
OPP. HAND 28B5242-R

DWG SIZE D

28B5242

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R.



PART	∠	A
-6	56½°	27 19/32
-7	62°	30 3/16

ASSY DASH No.	MODEL	NEXT ASSY	REQ
-7R	PBY-5A&B	28B5241	1
-7L	PBY-5A&B	28B5241	1
-6R	PBY-5A&B	28B5241	1
-6L	PBY-5A&B	28B5241	1
-7R	PBY-5	28B5241	1
-7L	PBY-5	28B5241	1
-6R	PBY-5	28B5241	1
-6L	PBY-5	28B5241	1

REQUIREMENTS PER AIRPLANE

REPLACES — 1.0 EA. CALC WT.
REPLACED BY — ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 3"=1'-0" & NOTED
STAMP PART NUMBER WHERE SHOWN

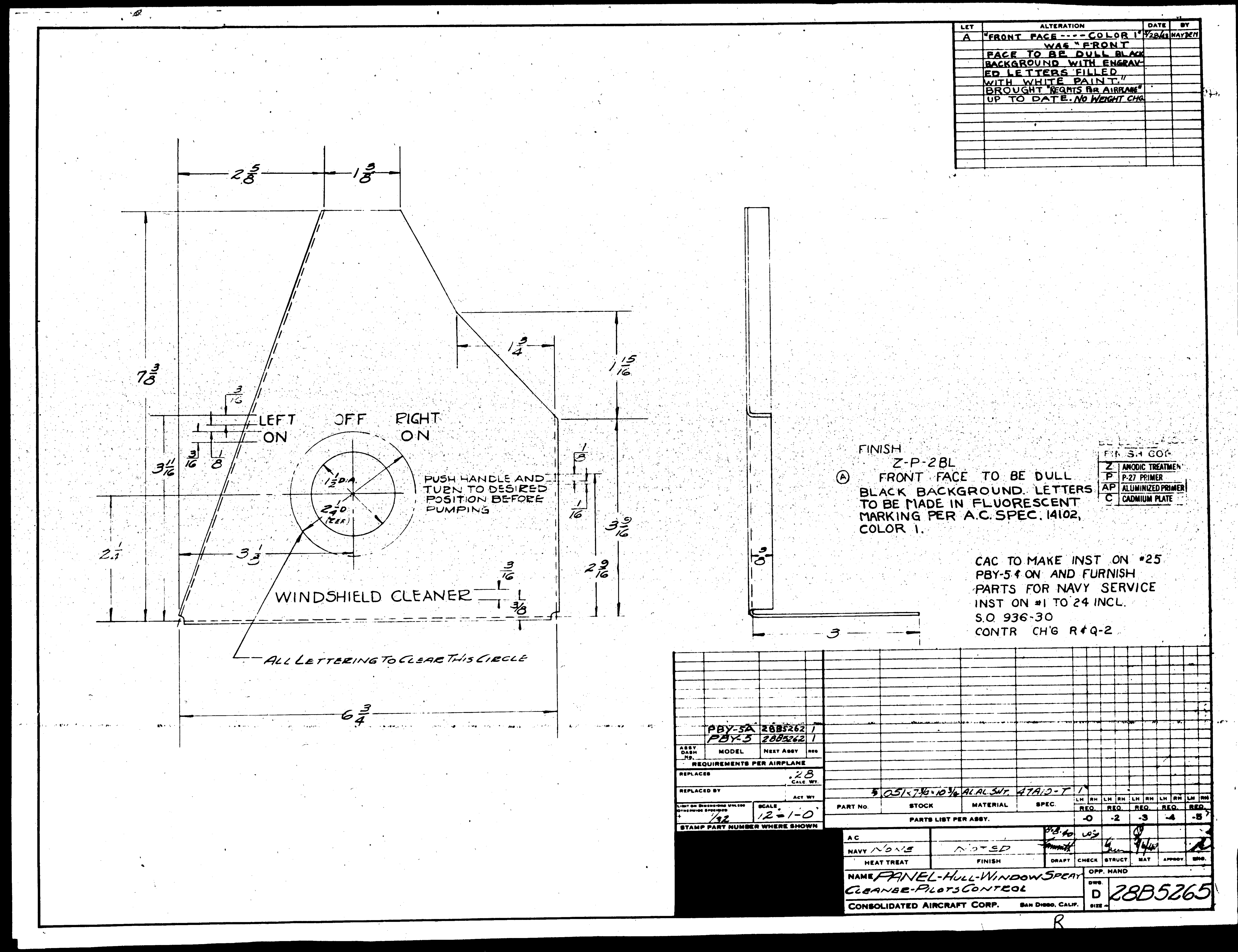
PART No	STOCK	MATERIAL	SPEC.
-7R	.051 × 8 × 32	ALCLAD	47A8-A
-7L	.051 × 8 × 32	ALCLAD	47A8-A
-6R	.051 × 8 × 30	ALCLAD	47A8-A
-6L	.051 × 8 × 30	ALCLAD	47A8-A

PARTS LIST PER ASSY.
LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5

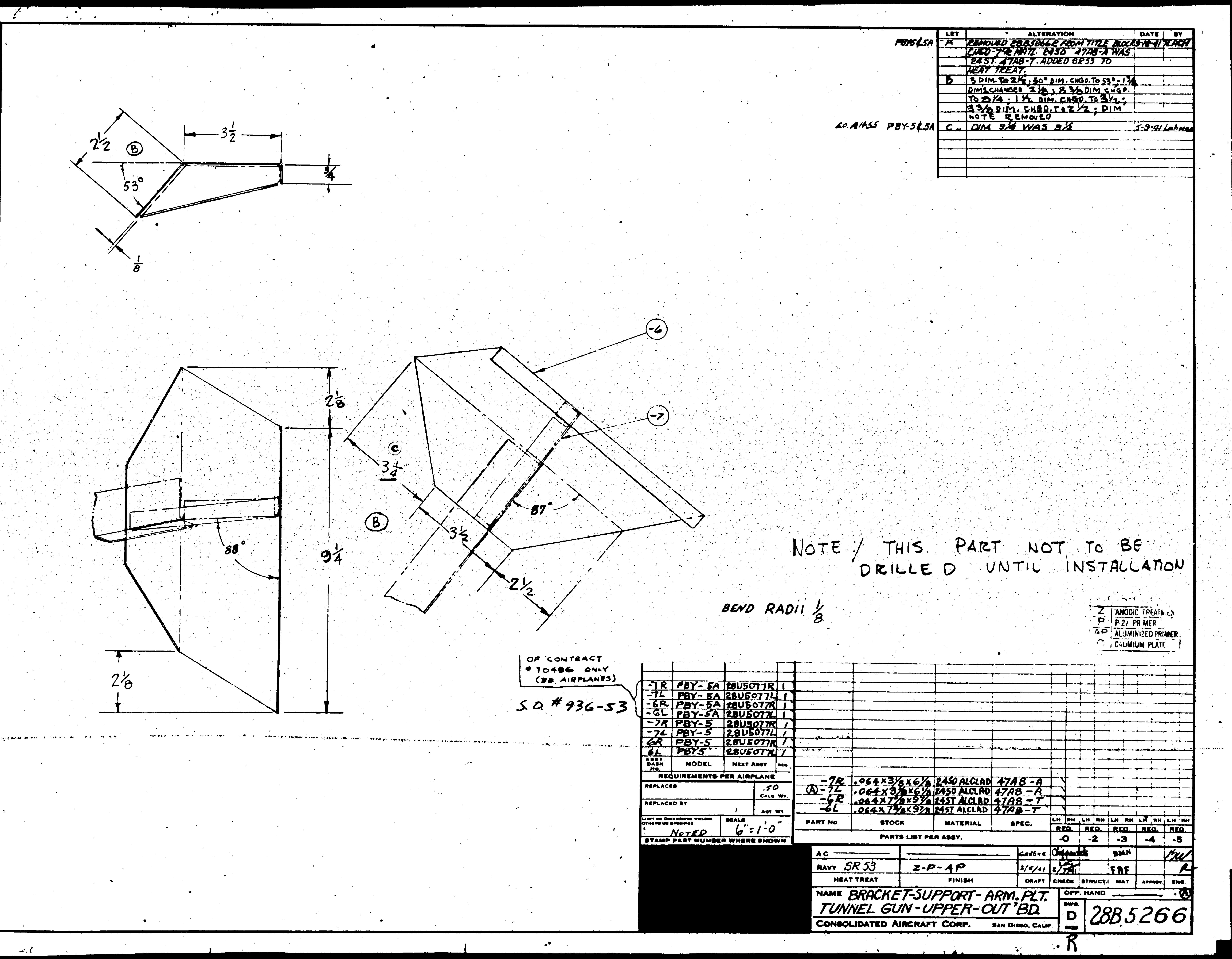
AC		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.
NAVY SR-53	Z PAP	THOMPSON 7-15-40	C.C.A. LOC	MILLER	C.S. 8-1-40	H.P.Z. 8-2-40	R
HEAT TREAT	FINISH						

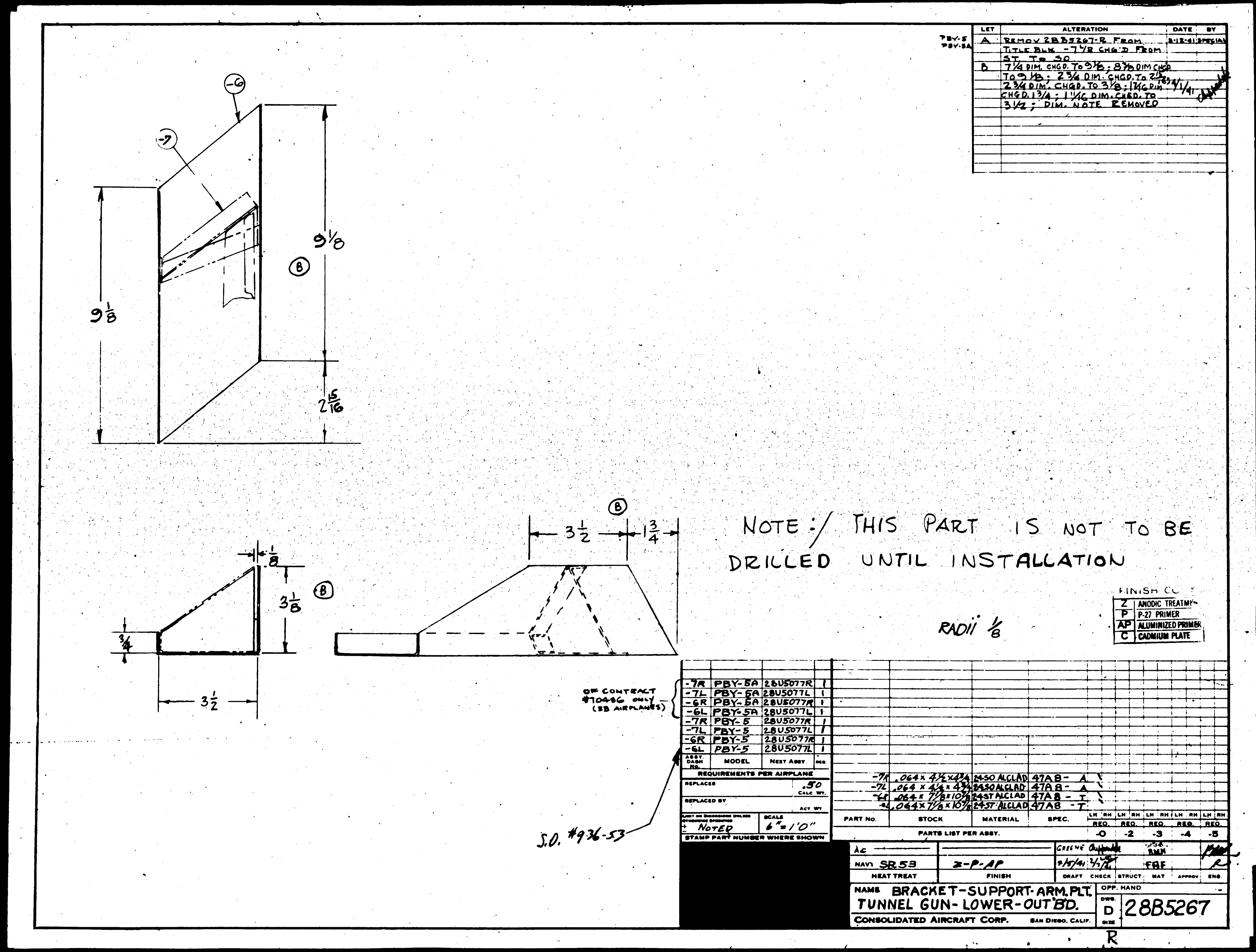
NAME BEAM-HULL-WAIST GUN FLOOR-OUTER-FWD.
OPP. HAND
DWG. SIZE D
28B5244
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

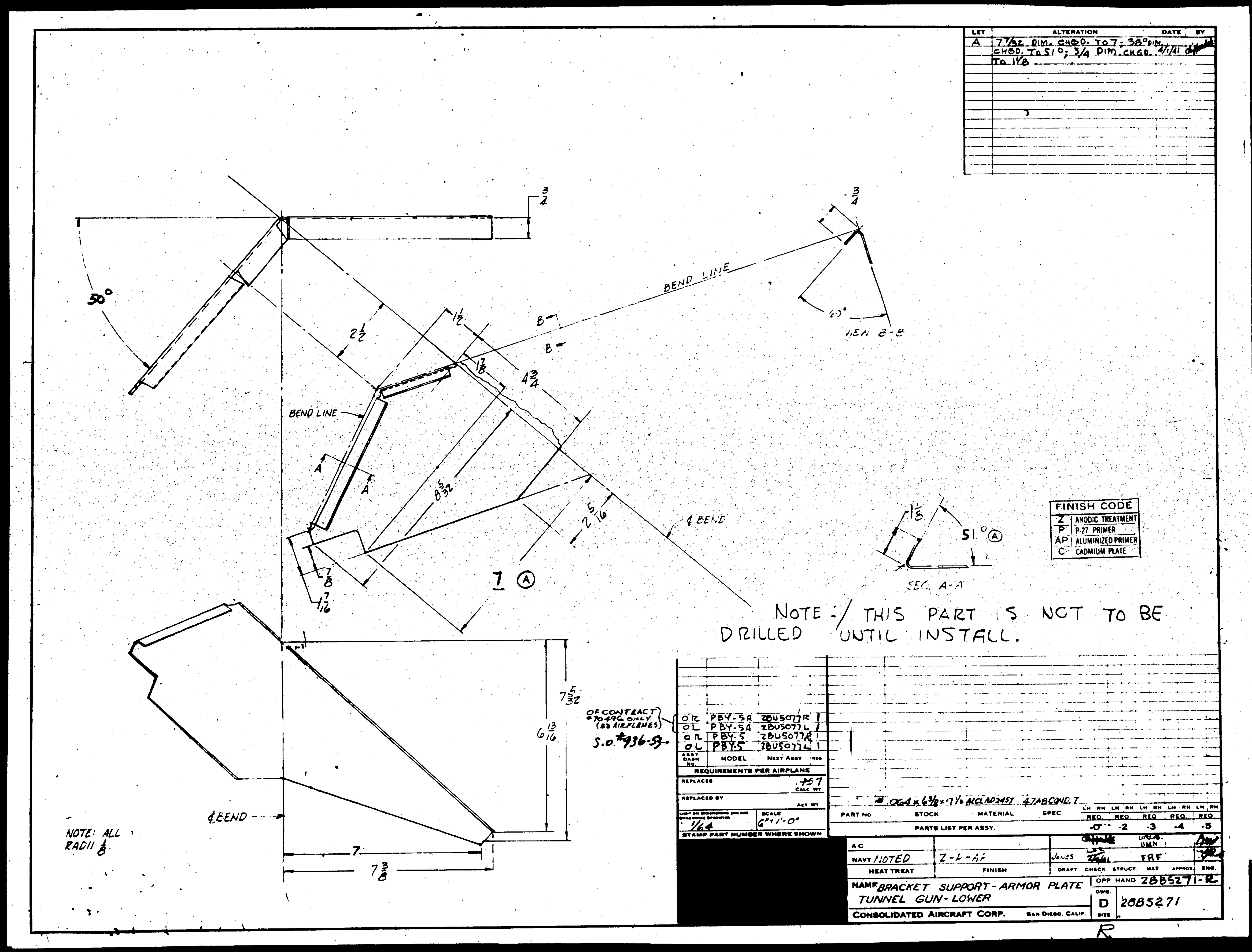


LET | ALTERATION | DATE | BY
A | "FRONT FACE ---- COLOR 1" WAS "FRONT FACE TO BE DULL BLACK BACKGROUND WITH ENGRAVED LETTERS FILLED WITH WHITE PAINT." BROUGHT "REQMTS PER AIRPLANE" UP TO DATE. NO WEIGHT CHG | HAYDEN
2 5/8
1 3/8
7 3/8
1 3/4
1 15/16
3/16
LEFT ON
OFF
RIGHT ON
1/8
3 11/16
1 1/2 DIA.
2 1/4 D (REF.)
PUSH HANDLE AND TURN TO DESIRED POSITION BEFORE PUMPING
1/8
1/16
3 9/16
2 1/4
3 1/3
2 9/16
3/16
WINDSHIELD CLEANER
3/8
ALL LETTERING TO CLEAR THIS CIRCLE
6 3/4
3
FINISH
Z-P-2BL
(A) FRONT FACE TO BE DULL BLACK BACKGROUND. LETTERS TO BE MADE IN FLUORESCENT MARKING PER A.C. SPEC. 14102, COLOR 1.
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
CAC TO MAKE INST ON #25 PBY-5 & ON AND FURNISH PARTS FOR NAVY SERVICE INST ON #1 TO 24 INCL.
S.O. 936-30
CONTR CH'G R & Q-2
PBY-5A | 28B5262 | 1
PBY-5 | 28B5262 | 1
ASSY DASH No. | MODEL | NEXT ASSY | REQ
REQUIREMENTS PER AIRPLANE
REPLACES
.28 CALC. WT.
REPLACED BY
ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12 = 1-0
STAMP PART NUMBER WHERE SHOWN
5 | .051 × 7 3/8 × 10 3/4 | AL. AL. SHT. | 47A10-T | 1
PART No. | STOCK | MATERIAL | SPEC. | LH RH REQ. -0 | -2 | -3 | -4 | -5
PARTS LIST PER ASSY.
AC
NAVY NONE
HEAT TREAT
NOTED
FINISH
DRAFT | CHECK | STRUCT. | MAT | APPROV. | ENG.
NAME PANEL-HULL-WINDOW SPRAY CLEANER-PILOTS CONTROL
OPP. HAND
DWG. SIZE D
28B5265
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R

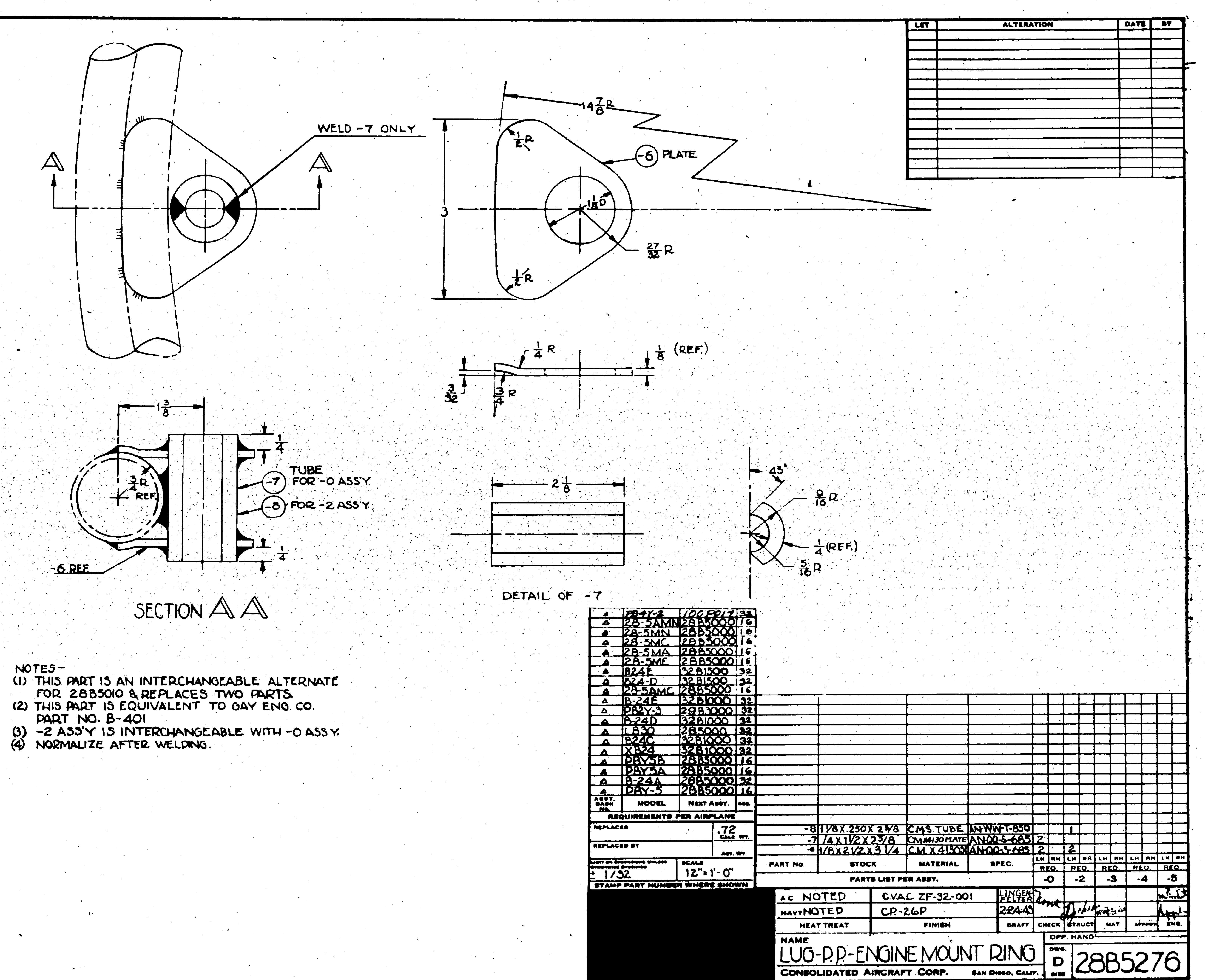

LET
ALTERATION
DATE
BY
PBY5 & 5A
A
REMOVED 28B5266R FROM TITLE BLOCK
CHGD-7 MATL. 24SO 47A8-A WAS
24ST. 47A8-T. ADDED 6R53 TO
HEAT TREAT.
B
3 DIM. TO 2½; 50° DIM. CHGD. TO 53°; 1¾
DIMS CHANGED 2⅛; 8⅜ DIM CHGD.
TO 9¼; 1½ DIM. CHGD. TO 3½;
3⅜ DIM. CHGD. TO 2½; DIM
NOTE REMOVED
E.O. A1455 PBY-5 & 5A
C
DIM 3¼ WAS 3½
5-9-41 Lehman
2½
3½
53°
¾
⅛
-6
-7
2⅛
9¼
88°
87°
3¼
3½
2½
C
B
NOTE / THIS PART NOT TO BE DRILLED UNTIL INSTALLATION
BEND RADII ⅛
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
OF CONTRACT # 70486 ONLY (33 AIRPLANES)
S.O. # 936-53
-7R PBY-5A 28U5077R 1
-7L PBY-5A 28U5077L 1
-6R PBY-5A 28U5077R 1
-6L PBY-5A 28U5077L 1
-7R PBY-5 28U5077R 1
-7L PBY-5 28U5077L 1
6R PBY-5 28U5077R 1
6L PBY5 28U5077L 1
ASSY DASH NO.
MODEL
NEXT ASSY
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
.50
CALC WT.
REPLACED BY
ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
NOTED
SCALE
6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
A -7R .064×3⅛×6⅛ 24SO ALCLAD 47A8-A
-7L .064×3⅛×6⅛ 24SO ALCLAD 47A8-A
-6R .064×7⅝×9⅞ 24ST ALCLAD 47A8-T
-6L .064×7⅝×9⅞ 24ST ALCLAD 47A8-T
PART No
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
-0 -2 -3 -4 -5
PARTS LIST PER ASSY.
AC
NAVY SR 53
HEAT TREAT
Z-P-AP
FINISH
3/5/41
DRAFT
CHECK
STRUCT.
MAT
APPROV.
ENG.
NAME BRACKET-SUPPORT-ARM. PLT. TUNNEL GUN-UPPER-OUT'BD.
OPP. HAND
-A
DWG.
D
SIZE
28B5266
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R



PBY-5
PBY-5A
LET
ALTERATION
DATE
BY
A REMOV 28B5267-R FROM TITLE BLK -7L/R CHG'D FROM ST TO SO 8-12-41 SPECIAL
B 7 1/4 DIM. CHGD. TO 9 1/8; 8 3/8 DIM CHGD TO 9 1/8; 2 3/4 DIM. CHGD. TO 2 15/16; 2 3/4 DIM. CHGD. TO 3 1/8; 1 7/16 DIM CHGD. 1 3/4; 1 11/16 DIM. CHGD. TO 3 1/2; DIM. NOTE REMOVED 9/1/41
-6
-7
9 1/8
9 1/8
2 15/16
B
B
3 1/2
1 3/4
1/8
3 1/8
B
3/4
3 1/2
NOTE:/ THIS PART IS NOT TO BE DRILLED UNTIL INSTALLATION
RADII 1/8
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
OF CONTRACT #70466 ONLY (33 AIRPLANES)
-7R PBY-5A 28U5077R 1
-7L PBY-5A 28U5077L 1
-6R PBY-5A 28U5077R 1
-6L PBY-5A 28U5077L 1
-7R PBY-5 28U5077R 1
-7L PBY-5 28U5077L 1
-6R PBY-5 28U5077R 1
-6L PBY-5 28U5077L 1
ASSY. DASH NO.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.50 CALC WT.
REPLACED BY
ACT. WT
± NOTED
SCALE 6" = 1'0"
STAMP PART NUMBER WHERE SHOWN
S.O. #936-53
-7R .064 x 4 1/2 x 4 3/4 24SO ALCLAD 47A8-A
-7L .064 x 4 1/2 x 4 3/4 24SO ALCLAD 47A8-A
-6R .064 x 7 1/8 x 10 7/8 24ST ALCLAD 47A8-T
-6L .064 x 7 1/8 x 10 7/8 24ST ALCLAD 47A8-T
PART No.
STOCK
MATERIAL
SPEC.
LH RH REQ. -0
LH RH REQ. -2
LH RH REQ. -3
LH RH REQ. -4
LH RH REQ. -5
PARTS LIST PER ASSY.
AC
NAVY SR53
HEAT TREAT
Z-P-AP
FINISH
GREENE
9/15/41
DRAFT
CHECK
STRUCT.
BMN
FRF
MAT
APPROV.
ENG.
NAME BRACKET-SUPPORT-ARM. PLT. TUNNEL GUN-LOWER-OUT'BD.
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP. HAND
DWG. SIZE D
28B5267
R

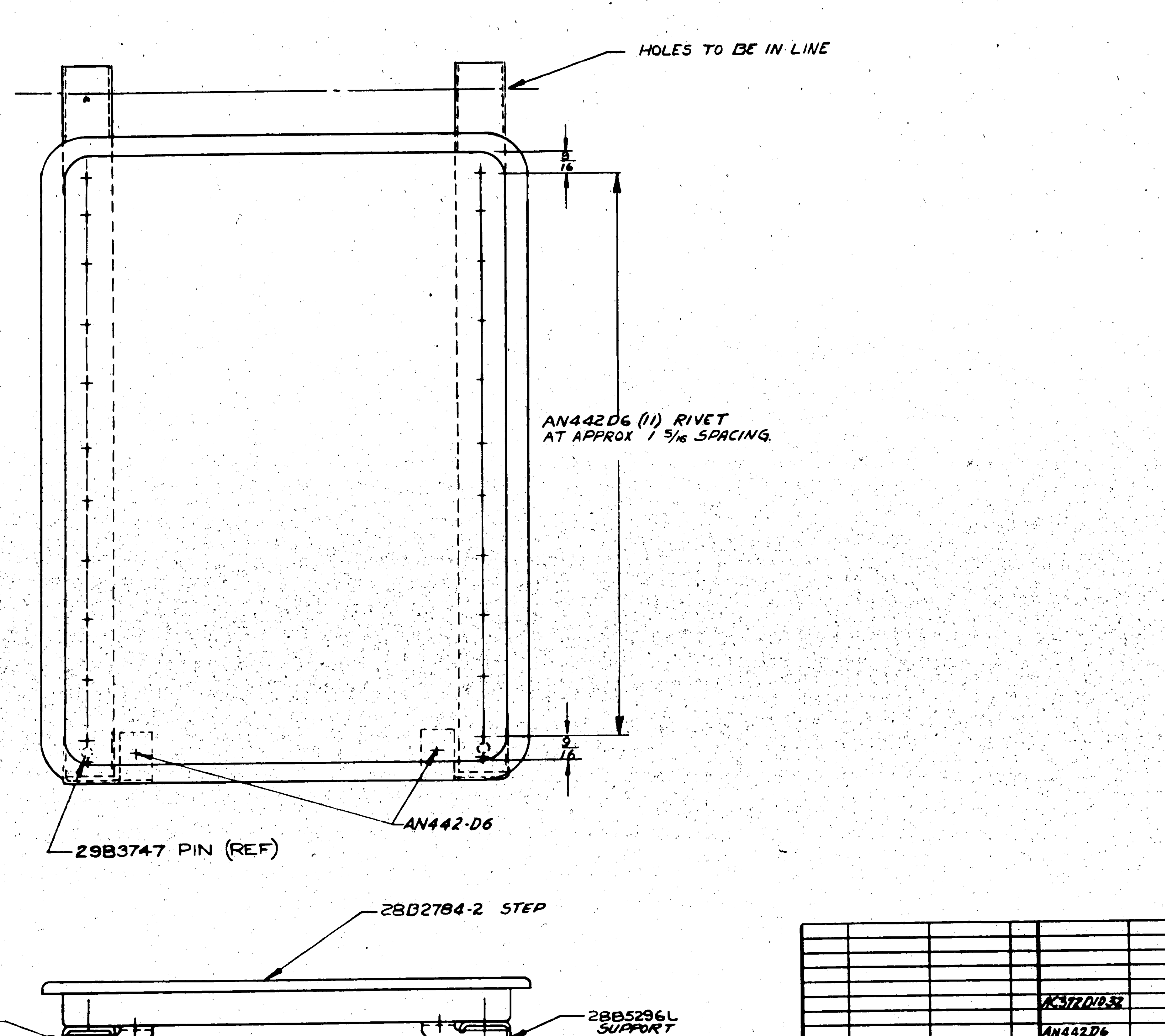


LET | ALTERATION | DATE | BY
A | 7 7/32 DIM. CHGD. TO 7; 38° DIM. CHGD. TO 51°; 3/4 DIM. CHGD. TO 1 1/8 | 4/1/41
50°
3/4
2 1/2
BEND LINE
B
B
VIEW B-B
1 1/2
1 7/8
4 3/4
BEND LINE
A
A
8 5/32
2 5/16
℄ BEND
7/8
1 7/16
7 Ⓐ
1 1/8
51° Ⓐ
SEC. A-A
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
NOTE:/ THIS PART IS NOT TO BE DRILLED UNTIL INSTALL.
7 5/32
6 13/16
OF CONTRACT #70496 ONLY (83 AIRPLANES)
S.O. #936-53
OR PBY-5A 28US077R 1
OL PBY-5A 28US077L 1
OR PBY-5 28US077R 1
OL PBY-5 28US077L 1
ASSY DASH No. | MODEL | NEXT ASSY | REQ
REQUIREMENTS PER AIRPLANE
REPLACES
.757 CALC WT.
REPLACED BY
ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 1/64
SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.064 × 6 3/8 × 7 1/2 ALCLAD 24ST 47ABCOND.T
PART No | STOCK | MATERIAL | SPEC.
LH RH REQ. -0 -2 -3 -4 -5
PARTS LIST PER ASSY.
℄ BEND
NOTE: ALL RADII 1/8
7
7 3/8
AC
NAVY NOTED | Z-2-AF | JONES
HEAT TREAT | FINISH | DRAFT | CHECK | STRUCT. | MAT | APPROV. | ENG.
NAME BRACKET SUPPORT-ARMOR PLATE TUNNEL GUN-LOWER
OPP HAND 28B5271-R
DWG. D 28B5271
SIZE
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R



LET
ALTERATION
DATE
BY
WELD -7 ONLY
A
A
14 7/8 R
1/2 R
-6 PLATE
3
1 1/8 D
27/32 R
1/2 R
1/4 R
1/8 (REF.)
3/32
3/4 R
1 3/8
1/4
3/4 R
REF.
TUBE
-7 FOR -0 ASS'Y
-8 FOR -2 ASS'Y
1/4
-6 REF.
SECTION A A
2 1/8
45°
9/16 R
1/4 (REF.)
5/16 R
DETAIL OF -7
NOTES-
(1) THIS PART IS AN INTERCHANGEABLE ALTERNATE FOR 28B5010 & REPLACES TWO PARTS.
(2) THIS PART IS EQUIVALENT TO GAY ENG. CO. PART NO. B-401
(3) -2 ASS'Y IS INTERCHANGEABLE WITH -0 ASS'Y.
(4) NORMALIZE AFTER WELDING.
ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
Δ	PB4Y-2	100P2017	32
Δ	28-5AMN	28B5000	16
Δ	28-5MN	28B5000	16
Δ	28-5MC	28B5000	16
Δ	28-5MA	28B5000	16
Δ	28-5ME	28B5000	16
Δ	B24E	32B1500	32
Δ	B24-D	32B1500	32
Δ	28-5AMC	28B5000	16
Δ	B-24E	32B1000	32
Δ	PB2Y-3	29B3000	32
Δ	B-24D	32B1000	32
Δ	LB30	28B5000	32
Δ	B24C	32B1000	32
Δ	XB24	32B1000	32
Δ	PBY5B	28B5000	16
Δ	PBY5A	28B5000	16
Δ	B-24A	28B5000	32
Δ	PBY-5	28B5000	16
REQUIREMENTS PER AIRPLANE
REPLACES
.72 CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
PART No.	STOCK	MATERIAL	SPEC.	-0 LH	-0 RH	-2 LH	-2 RH	-3 LH	-3 RH	-4 LH	-4 RH	-5 LH	-5 RH
-8	1/8 X .250 X 2 7/8	C.M.S. TUBE	AN-WW-T-850			1							
-7	1/4 X 1 1/2 X 2 3/8	C.M. X4130 PLATE	AN-QQ-S-685	2									
-6	1/8 X 2 1/2 X 3 1/4	C.M. X 4130 S	AN-QQ-S-685	2		2							
PARTS LIST PER ASSY.
AC NOTED
NAVY NOTED
HEAT TREAT
C.V.A.C. ZF-32-001
C.P.-26P
FINISH
LINGENFELTER
2-24-43
DRAFT
CHECK
STRUCT
MAT
APPROV
ENG.
NAME
LUG-P.P.-ENGINE MOUNT RING
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP. HAND
DWG. SIZE D
28B5276
R
28B5276

LET	ALTERATION	DATE	BY



28B5296R SUPPORT

$8\frac{15}{16} \pm \frac{1}{64}$

29B3747 PIN (1)
AC372D1032 NUT (1)
(2 PLACES)

MCR.133A & ON
MCR 111A & ON

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY 5A	28B5279	1
	PBY 5	28B5279	1

REQUIREMENTS PER AIRPLANE

REPLACES	2.10 CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 & NOTED	SCALE 6" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 LH REQ.	-0 RH REQ.	-2 LH REQ.	-2 RH REQ.	-3 LH REQ.	-3 RH REQ.	-4 LH REQ.	-4 RH REQ.	-5 LH REQ.	-5 RH REQ.
AC372D1032				2									
AN442D6													
29B3747				2									
28B2784-2				1									
28B5296R				1									
28B5296L				1									

PARTS LIST PER ASSY.

[redacted]

AC		6-10-43					
NAVY NONE	Z. P. GP	LINVILLE				7/10/43	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.

NAME STEP ASS'Y — AMMUNITION CHUTE

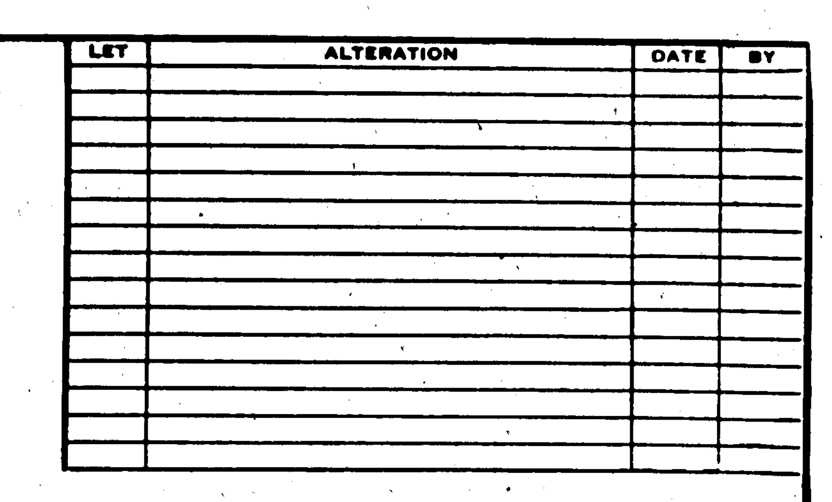
OPP. HAND NONE

DWG. D SIZE 28B5280

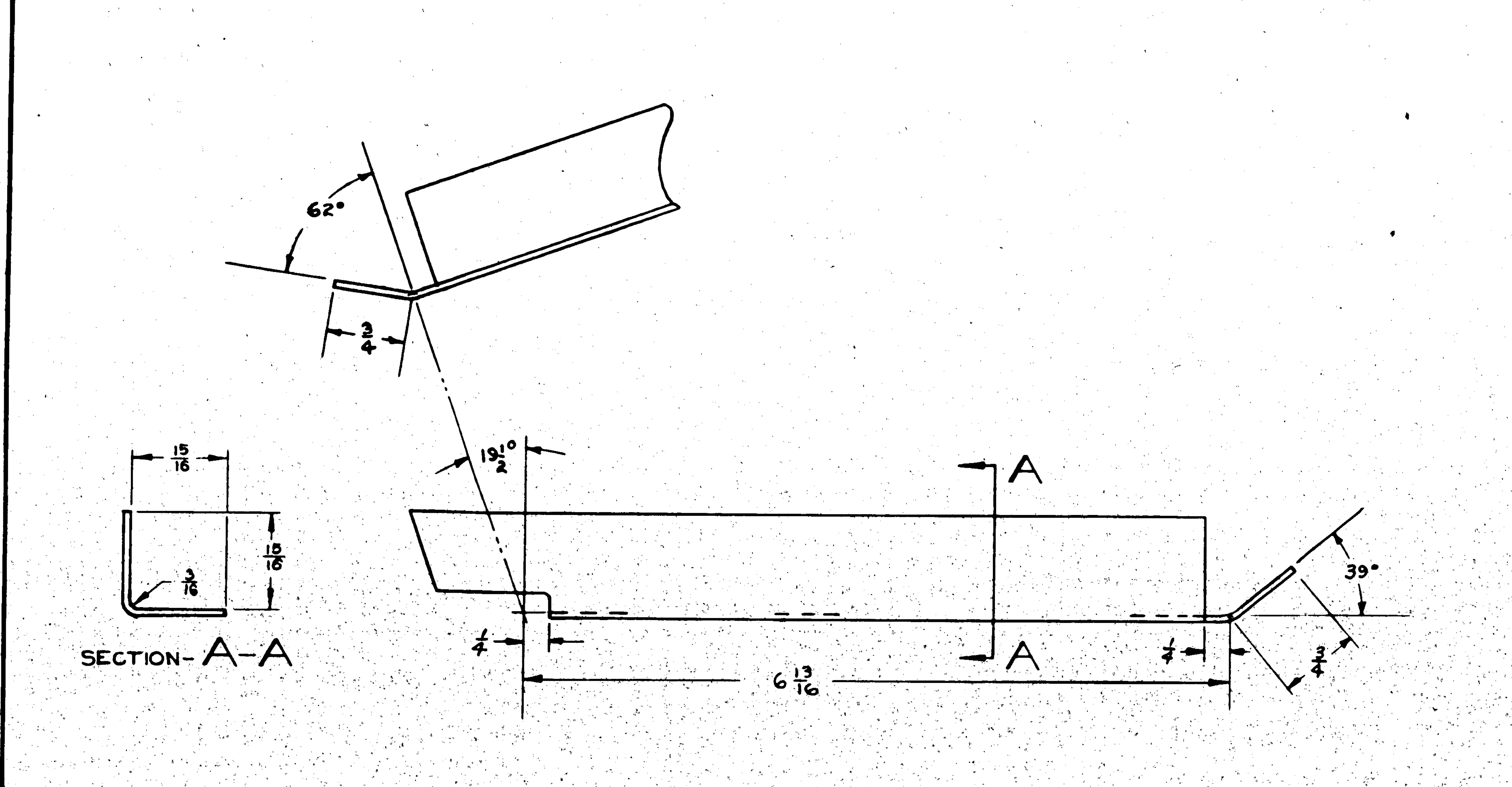
CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.

APPROVED FOR TOOLING BY
E. E. Dalton
6-28-43

R 0825882



LET	ALTERATION	DATE	BY



M.C.R. 199A
M.C.R. 111A

NOTE:
ALL RELIEF RADII 1/8

APPROVED FOR
TOOLING BY
E. E. Dalton
6-29-43

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28B5279	1
	PBY-5	28B5279	1

REQUIREMENTS PER AIRPLANE

REPLACED | .08 CALC. WT.

REPLACED BY | ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 & 1/2° | SCALE: 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	LH RH REQ. -0	LH RH REQ. -2	LH RH REQ. -3	LH RH REQ. -4	LH RH REQ. -5
●	.064 x 2 x 9	ALCLAD	QQA362T					

PARTS LIST PER ASSY.

[redacted]

AC		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.
NAVY NONE	Z-P-6P	WALLACE 6-9-43					
HEAT TREAT	FINISH						

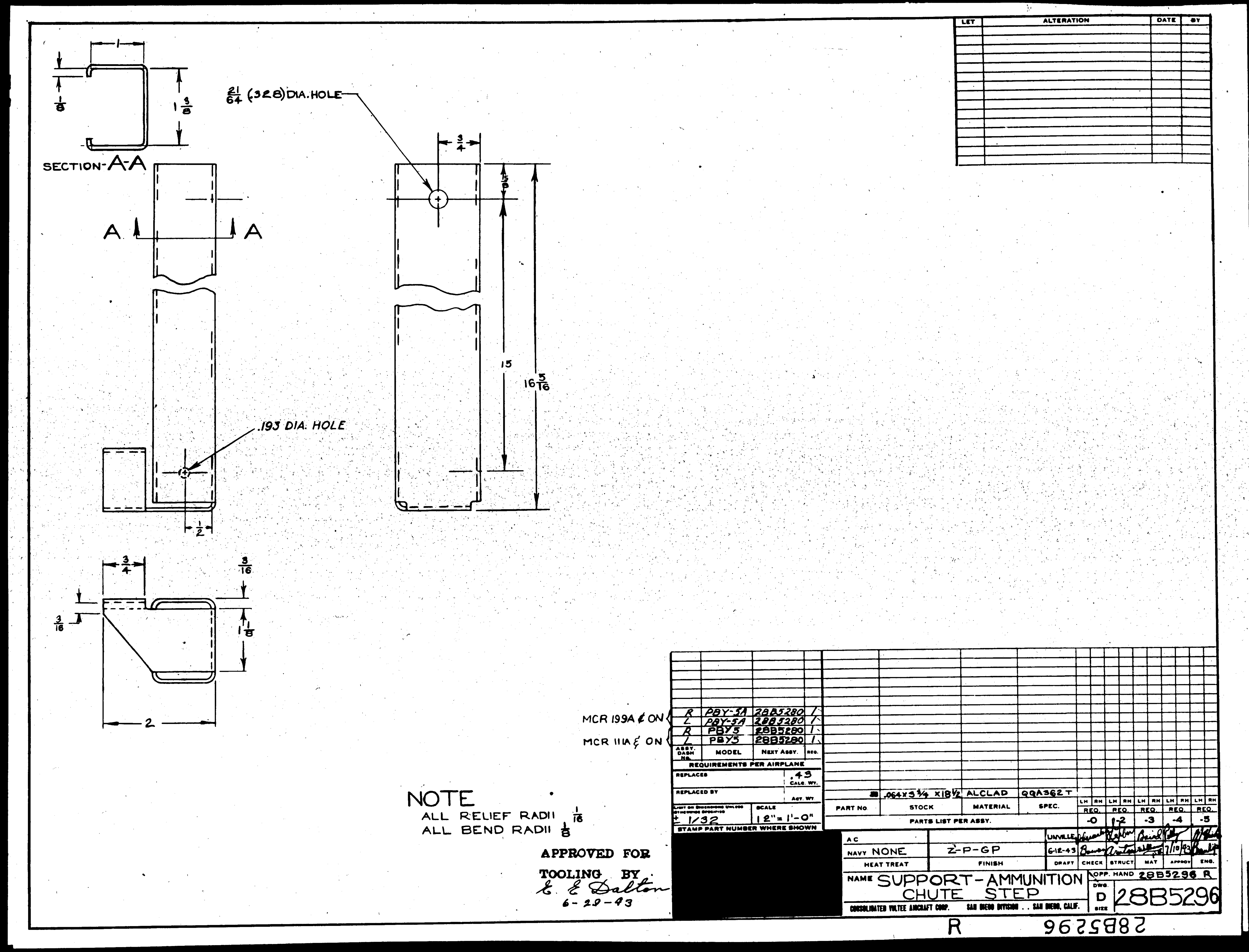
NAME BRACE · AMMUNITION CHUTE STEP DIAGONAL

OPP. HAND NONE

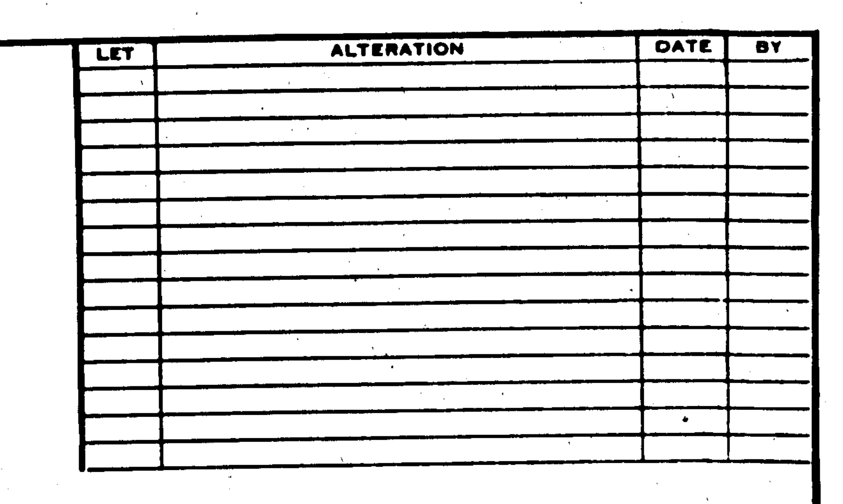
DWG. SIZE D 28B5295

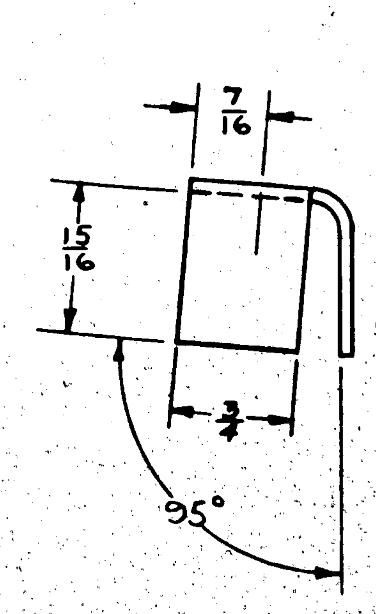
CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.

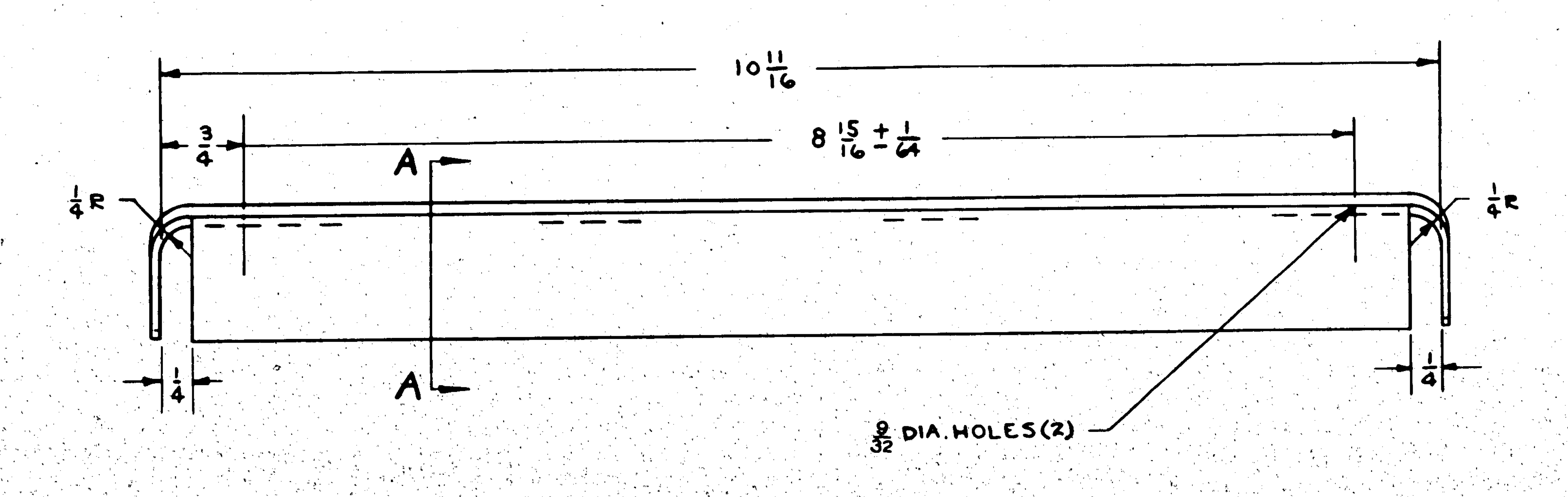
R 28B5295

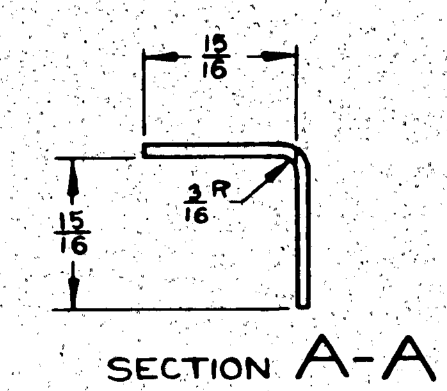


LET
ALTERATION
DATE
BY
SECTION-A-A
21/64 (.328) DIA. HOLE
.193 DIA. HOLE
A
A
15
16 5/16
NOTE
ALL RELIEF RADII 1/16
ALL BEND RADII 1/8
APPROVED FOR
TOOLING BY
E. E. Dalton
6-29-43
MCR 199A ⊄ ON
MCR 111A ⊄ ON
R PBY-5A 28B5280 1
L PBY-5A 28B5280 1
R PBY5 28B5280 1
L PBY5 28B5280 1
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.43 CALC. WT.
REPLACED BY
ACT. WT.
SCALE
± 1/32
12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
[redacted]
.064 X 5 3/4 X 18 1/2 ALCLAD QQA362 T
PART No.
STOCK
MATERIAL
SPEC.
PARTS LIST PER ASSY.
-0 -2 -3 -4 -5
AC
NAVY NONE
HEAT TREAT
Z-P-GP
FINISH
6-12-43
DRAFT
CHECK
STRUCT
MAT
APPROV
ENG.
7/10/43
NAME SUPPORT-AMMUNITION CHUTE STEP
OPP. HAND 28B5296 R
DWG. D SIZE
28B5296
CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.
R
28B5296









SECTION A-A

NOTE:
ALL RELIEF RADII 1/8

M.C.R. 199 A
M.C.R. 111 A

APPROVED FOR TOOLING BY
E. E. Dalton
6-28-43

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28B5298	1
	PBY-5	28B5298	1

REQUIREMENTS PER AIRPLANE

REPLACES	.15# CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 & 1/2° & NOTED	SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

[redacted]

PART No	STOCK	MATERIAL	SPEC.	LH REQ.	RH REQ.	LH REQ.	RH REQ.	LH REQ.	RH REQ.	LH REQ.	RH REQ.	LH REQ.	RH REQ.
●	.064 x 2 x 13	ALCLAD	QQA362 T										
				-0		-2		-3		-4		-5	

PARTS LIST PER ASSY.

AC		WALLACE	[signature]	[signature]	[signature]	[signature]	[signature]
NAVY NONE	ZP-GP	6-9-43	[signature]	[signature]			[signature]
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.

NAME BEAM - AMMUNITION CHUTE STEP FRONT

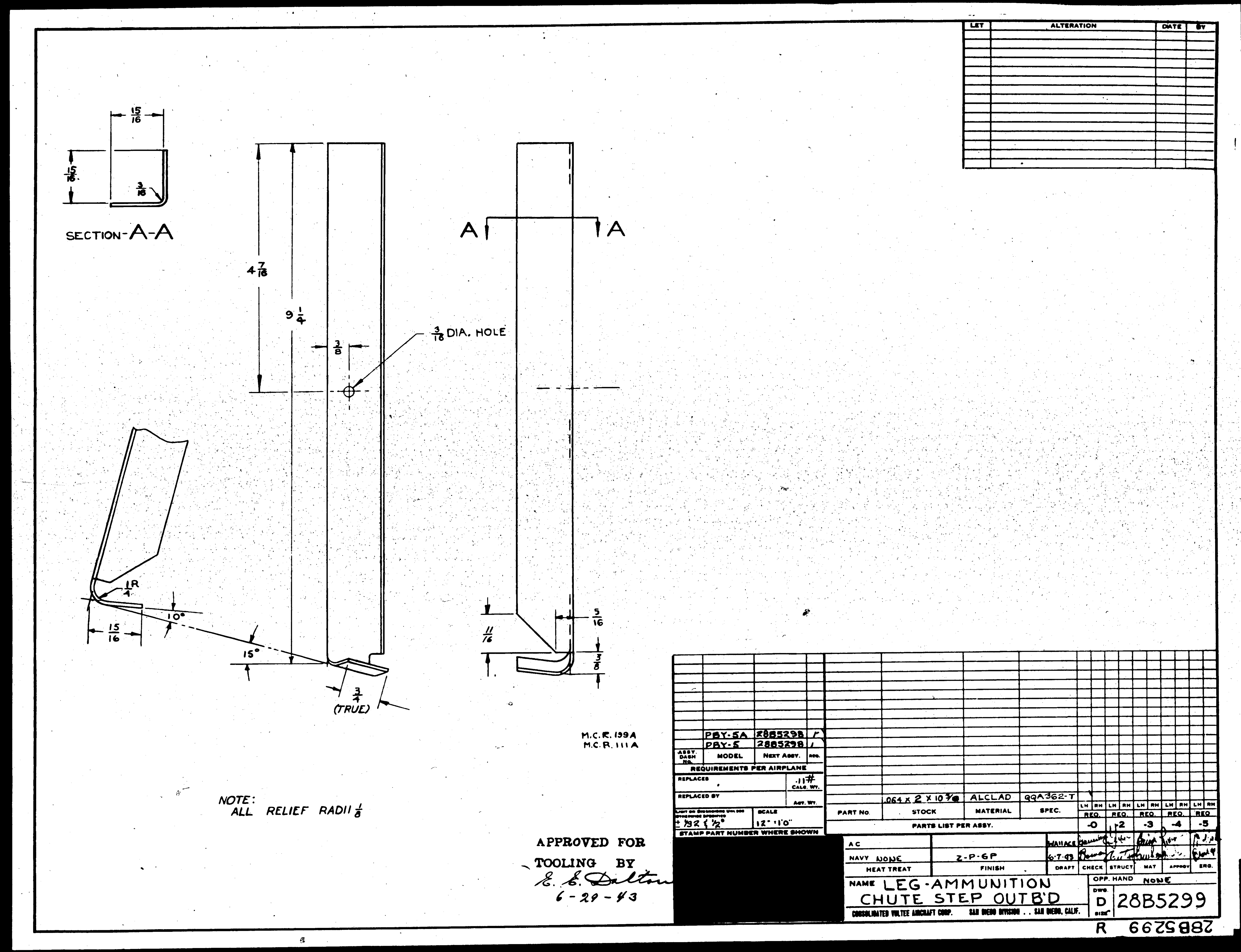
OPP. HAND NONE

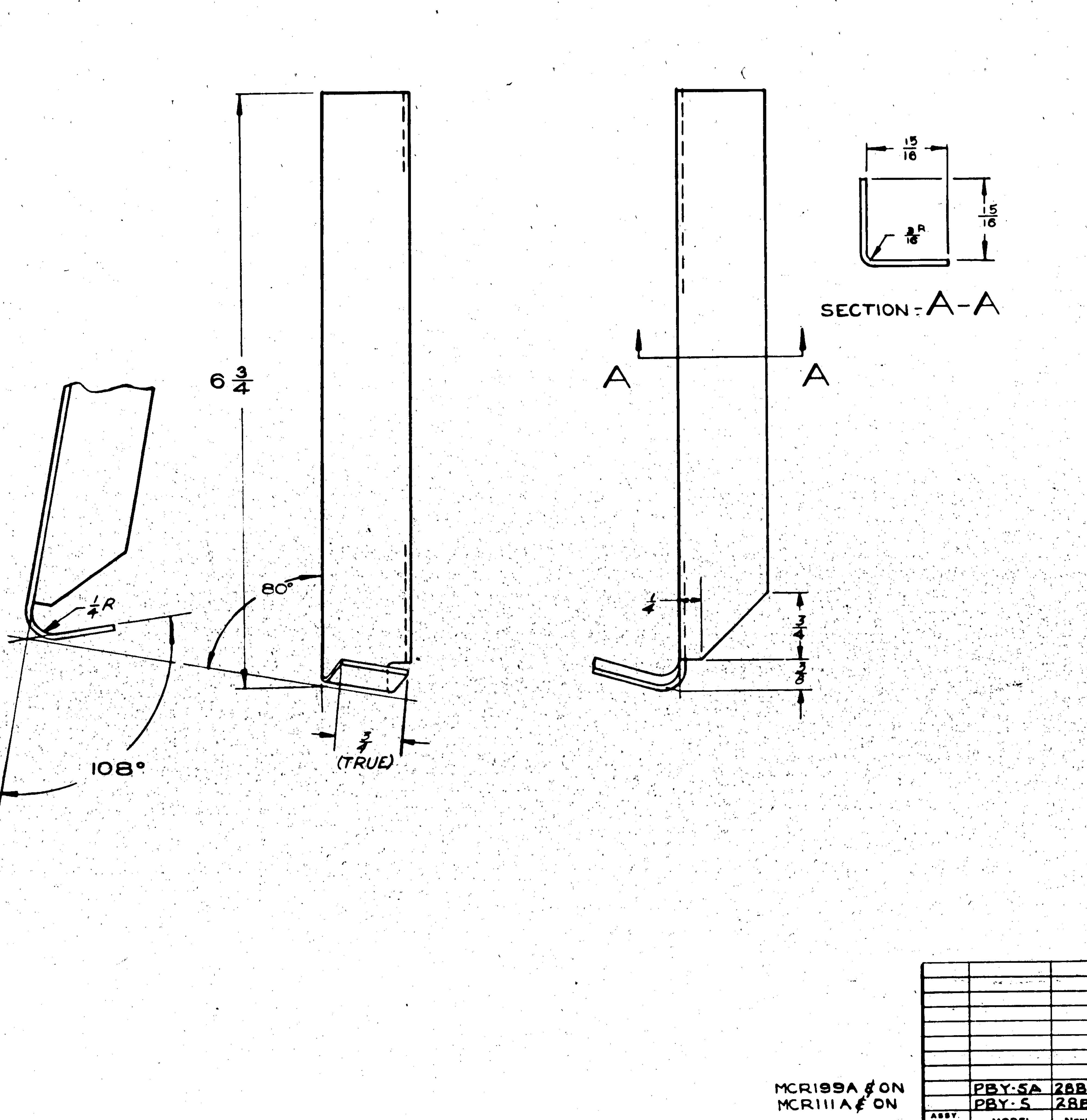
DWG. SIZE D 28B5297

CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.

R

28B5297


LET
ALTERATION
DATE
BY
15/16
15/16
3/16
SECTION-A-A
4 7/16
9 1/4
3/8
3/16 DIA. HOLE
A
A
1R/4
10°
15/16
15°
3/4 (TRUE)
5/16
11/16
3/8
M.C.R. 139A
M.C.R. 111A
NOTE:
ALL RELIEF RADII 1/8
APPROVED FOR
TOOLING BY
E. E. Dalton
6-29-43
PBY-5A 28B5298 1
PBY-5 28B5298 1
ASSY. DASH No.
MODEL
NEXT ASSY.
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.11# CALC. WT.
REPLACED BY
ACT. WT.
SCALE
± 1/32 ± 1/2°
12" = 1'0"
STAMP PART NUMBER WHERE SHOWN
[redacted]
.064 X 2 X 10 3/8
ALCLAD
QQA362-T
PART No.
STOCK
MATERIAL
SPEC.
LH RH
REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
AC
NAVY NONE
Z-P-6P
HEAT TREAT
FINISH
WALLACE
6-7-43
DRAFT
CHECK
STRUCT
MAT
APPROV
ENG.
OPP. HAND NONE
NAME LEG-AMMUNITION
CHUTE STEP OUTB'D
CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.
DWG.
D
SIZE
28B5299
R 28B5299



LET	ALTERATION	DATE	BY

MCR199A ¢ ON
MCR111A ¢ ON

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28B5298	1
	PBY-5	28B5298	1

REQUIREMENTS PER AIRPLANE

REPLACES — .08 CALC WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 & 1/2°

SCALE: 12" : 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	LH / RH REQ. -0	LH / RH REQ. -2	LH / RH REQ. -3	LH / RH REQ. -4	LH / RH REQ. -5
	.064 x 2 x 7 3/4	ALCLAD	QQA362T					

PARTS LIST PER ASSY.

NOTE:
ALL RELIEF RADII 1/8

APPROVED FOR
TOOLING BY
E. E. Dalton
6-29-43

[redacted]

AC		CHANGERS					
NAVY NONE	Z-P-GP						
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

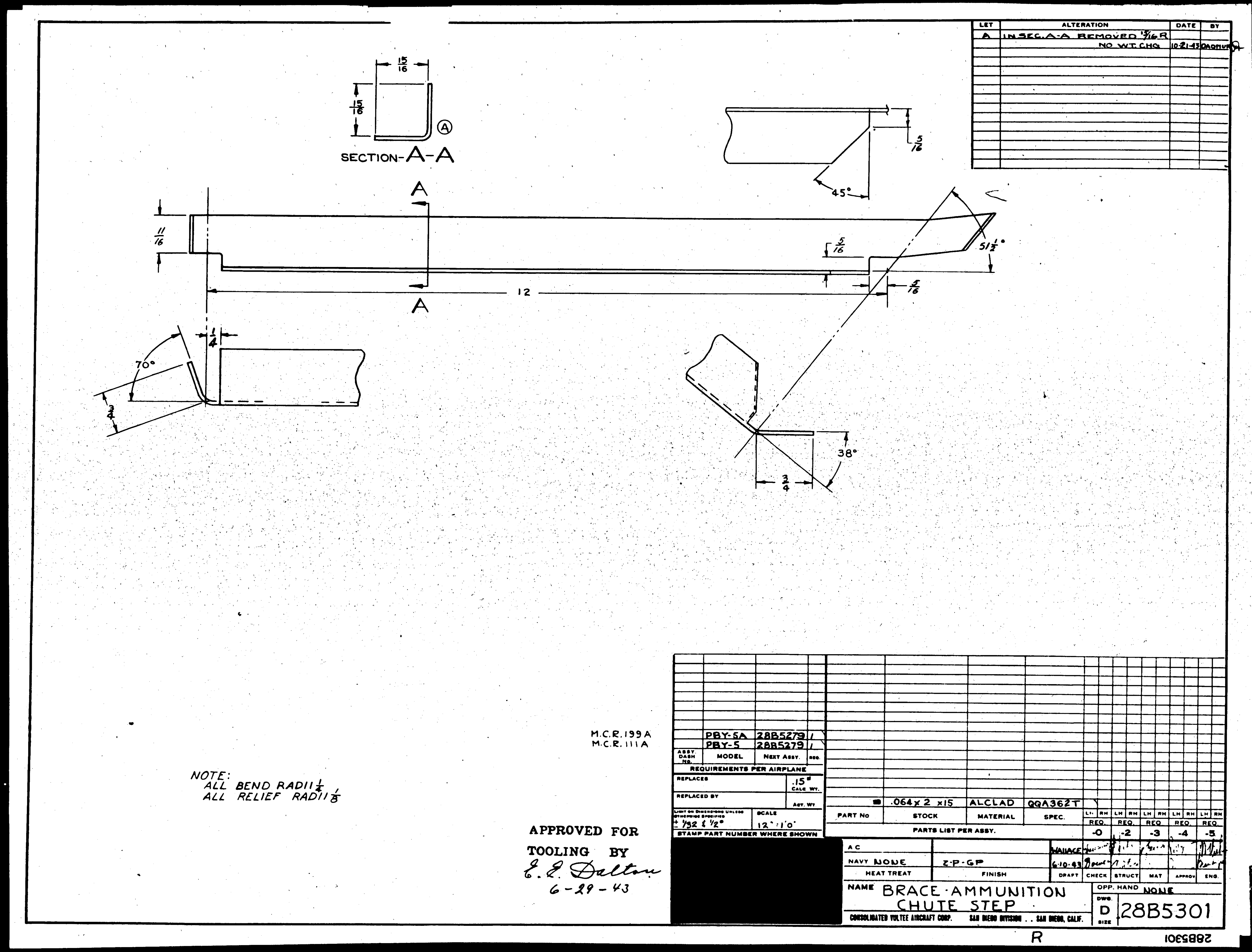
NAME: LEG-AMMUNITION CHUTE STEP INB'D

OPP. HAND: NONE

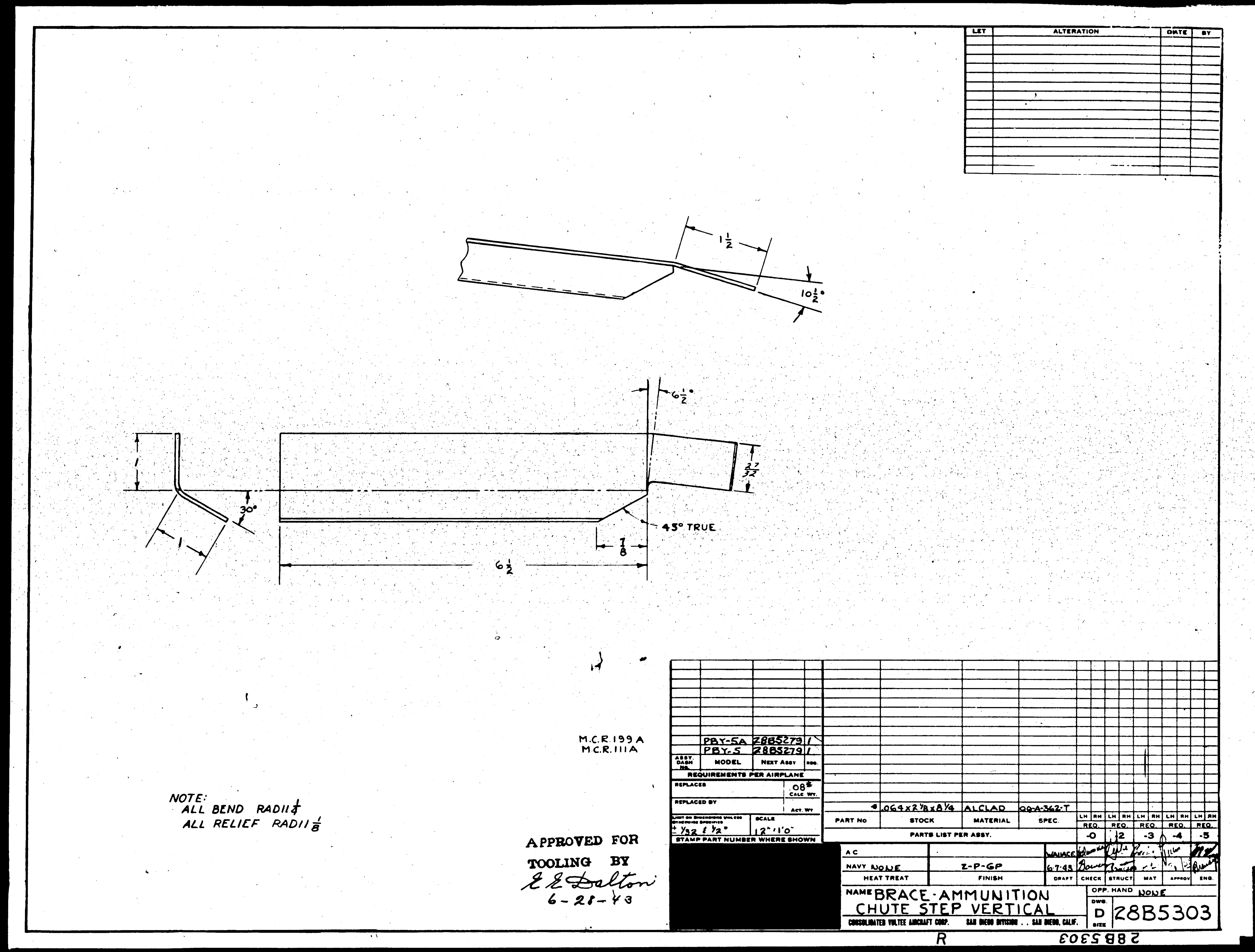
DWG SIZE: D — 28B5300

CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.

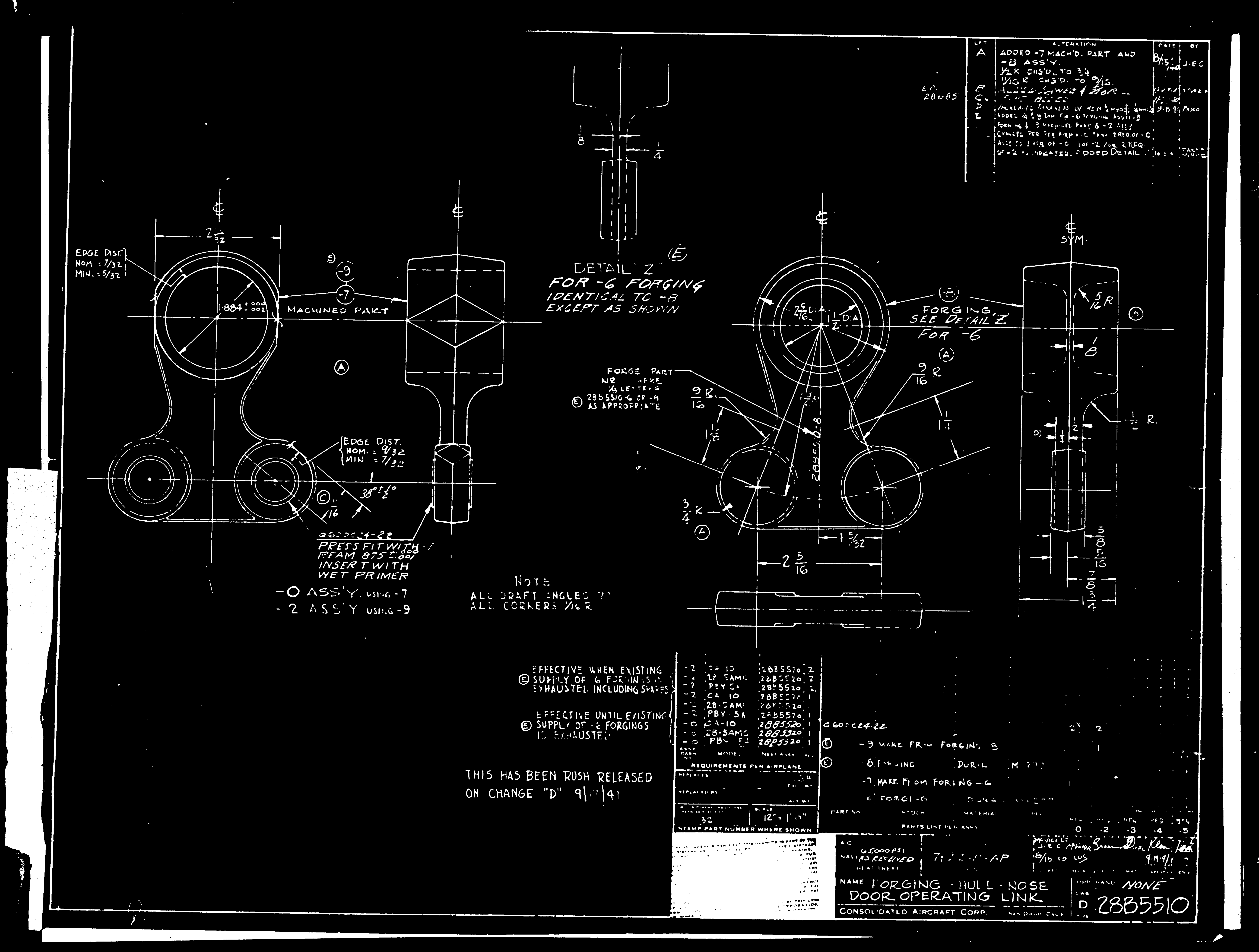
R 28B5300

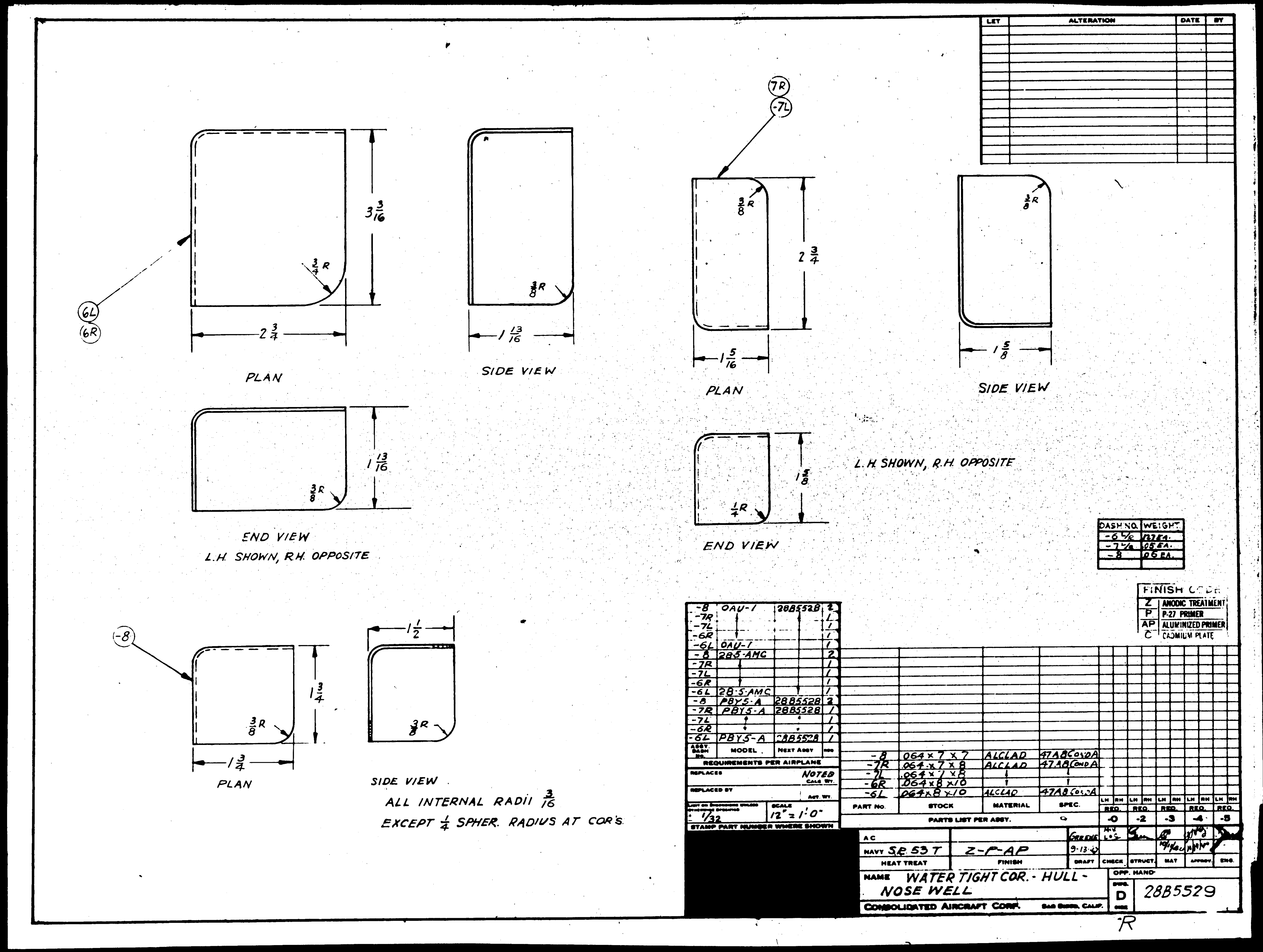


LET | ALTERATION | DATE | BY
A | IN SEC. A-A REMOVED 15/16 R NO WT. CHG. | 10-21-43
SECTION-A-A
15/16
15/16
A
A
A
11/16
5/16
5/16
5/16
12
45°
51 1/2°
1/4
70°
3/4
38°
3/4
M.C.R. 199 A
M.C.R. 111 A
NOTE:
ALL BEND RADII 1/4
ALL RELIEF RADII 1/8
APPROVED FOR
TOOLING BY
E. E. Dalton
6-29-43
PBY-5A 28B5279 1
PBY-5 28B5279 1
ASSY. DASH No. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.15# CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 & 1/2°
SCALE 12" : 1'0"
STAMP PART NUMBER WHERE SHOWN
[redacted]
.064 x 2 x 15 | ALCLAD | QQA362T
PART No | STOCK | MATERIAL | SPEC.
PARTS LIST PER ASSY.
LH RH REQ. -0 | LH RH REQ. -2 | LH RH REQ. -3 | LH RH REQ. -4 | LH RH REQ. -5
AC
NAVY NONE
HEAT TREAT
Z-P-GP
FINISH
WALLACE 6-10-43
DRAFT | CHECK | STRUCT | MAT | APPROV | ENG.
NAME BRACE-AMMUNITION CHUTE STEP
OPP. HAND NONE
DWG. SIZE D
28B5301
CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.
R



LET
ALTERATION
DATE
BY
1 1/2
10 1/2°
6 1/2°
1
27/32
30°
1
45° TRUE
7/8
6 1/2
M.C.R. 199 A
M.C.R. 111 A
NOTE:
ALL BEND RADII 1/4
ALL RELIEF RADII 1/8
APPROVED FOR
TOOLING BY
E E Dalton
6-28-43
PBY-5A 28B5279 1
PBY-5 28B5279 1
ASSY. DASH No.
MODEL
NEXT ASSY
REQ.
REQUIREMENTS PER AIRPLANE
REPLACES
.08*
CALC WT.
REPLACED BY
ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/32 & 1/2°
SCALE
12"=1'0"
STAMP PART NUMBER WHERE SHOWN
[redacted]
-1 .064x2 7/8x8 1/4 ALCLAD QQ-A-362-T
PART No
STOCK
MATERIAL
SPEC.
LH RH REQ. -0
LH RH REQ. -2
LH RH REQ. -3
LH RH REQ. -4
LH RH REQ. -5
PARTS LIST PER ASSY.
A C
NAVY NONE
Z-P-GP
HEAT TREAT
FINISH
WALLACE
6-7-43
DRAFT
CHECK
STRUCT
MAT
APPROV
ENG.
NAME BRACE-AMMUNITION CHUTE STEP VERTICAL
CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.
OPP. HAND NONE
DWG. SIZE D
28B5303
R
28B5303


DETAIL "Z"
FOR -6 FORGING
IDENTICAL TO -8
EXCEPT AS SHOWN
EDGE DIST. NOM. = 7/32 MIN. = 5/32
MACHINED PART
FORGING, SEE DETAIL "Z" FOR -6
FORGE PART NO. HERE 1/4 LETTERS 28B5510-6 OR -8 AS APPROPRIATE
EDGE DIST. NOM. = 9/32 MIN. = 7/32
PRESS FIT WITH REAM .875 INSERT WITH WET PRIMER
-0 ASS'Y. USING -7
-2 ASS'Y USING -9
NOTE
ALL DRAFT ANGLES 7°
ALL CORNERS 1/16 R
EFFECTIVE WHEN EXISTING SUPPLY OF -6 FORGINGS IS EXHAUSTED INCLUDING SPARES
EFFECTIVE UNTIL EXISTING SUPPLY OF -6 FORGINGS IS EXHAUSTED
THIS HAS BEEN RUSH RELEASED ON CHANGE "D" 9/11/41
REQUIREMENTS PER AIRPLANE
STAMP PART NUMBER WHERE SHOWN
PARTS LIST PER ASSY
-9 MAKE FROM FORGING -8
-7 MAKE FROM FORGING -6
65000 PSI
AS RECEIVED
HEAT TREAT
NAME FORGING - HULL - NOSE DOOR OPERATING LINK
CONSOLIDATED AIRCRAFT CORP.
D 28B5510
ADDED -7 MACH'D. PART AND -8 ASS'Y.



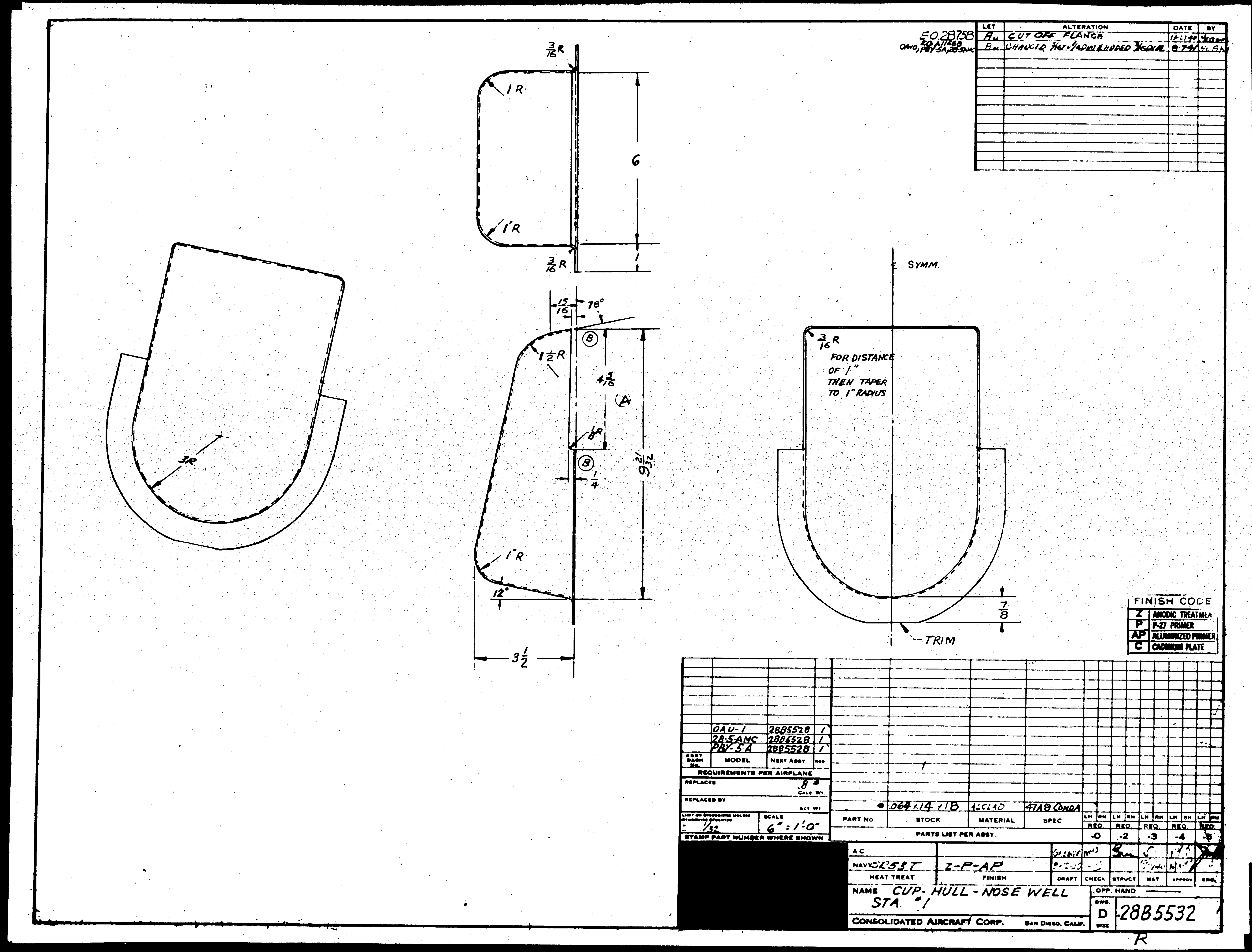
ASSY. DASH NO.	MODEL	NEXT ASSY	REQ
-8	OAU-1	28B5528	2
-7R			1
-7L			1
-6R			1
-6L	OAU-1		1
-8	28-5-AMC		2
-7R			1
-7L			1
-6R			1
-6L	28-5-AMC		1
-8	PBY5-A	28B5528	2
-7R	PBY5-A	28B5528	1
-7L			1
-6R			1
-6L	PBY5-A	28B5528	1

REQUIREMENTS PER AIRPLANE

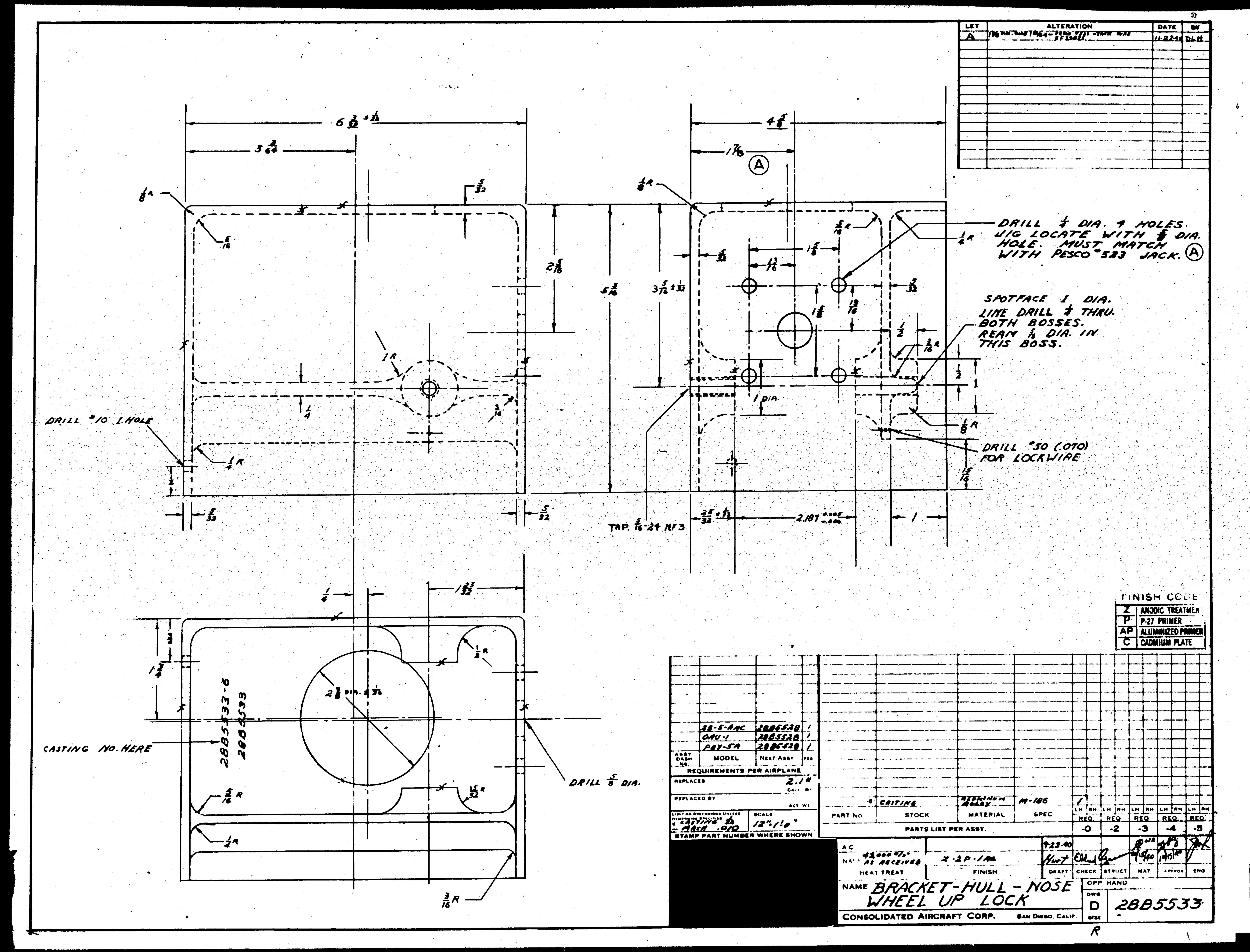
PART No.	STOCK	MATERIAL	SPEC.
-8	.064 x 7 x 7	ALCLAD	47A8 COND A
-7R	.064 x 7 x 8	ALCLAD	47A8 COND A
-7L	.064 x 7 x 8		
-6R	.064 x 8 x 10		
-6L	.064 x 8 x 10	ALCLAD	47A8 COND A

PARTS LIST PER ASSY.

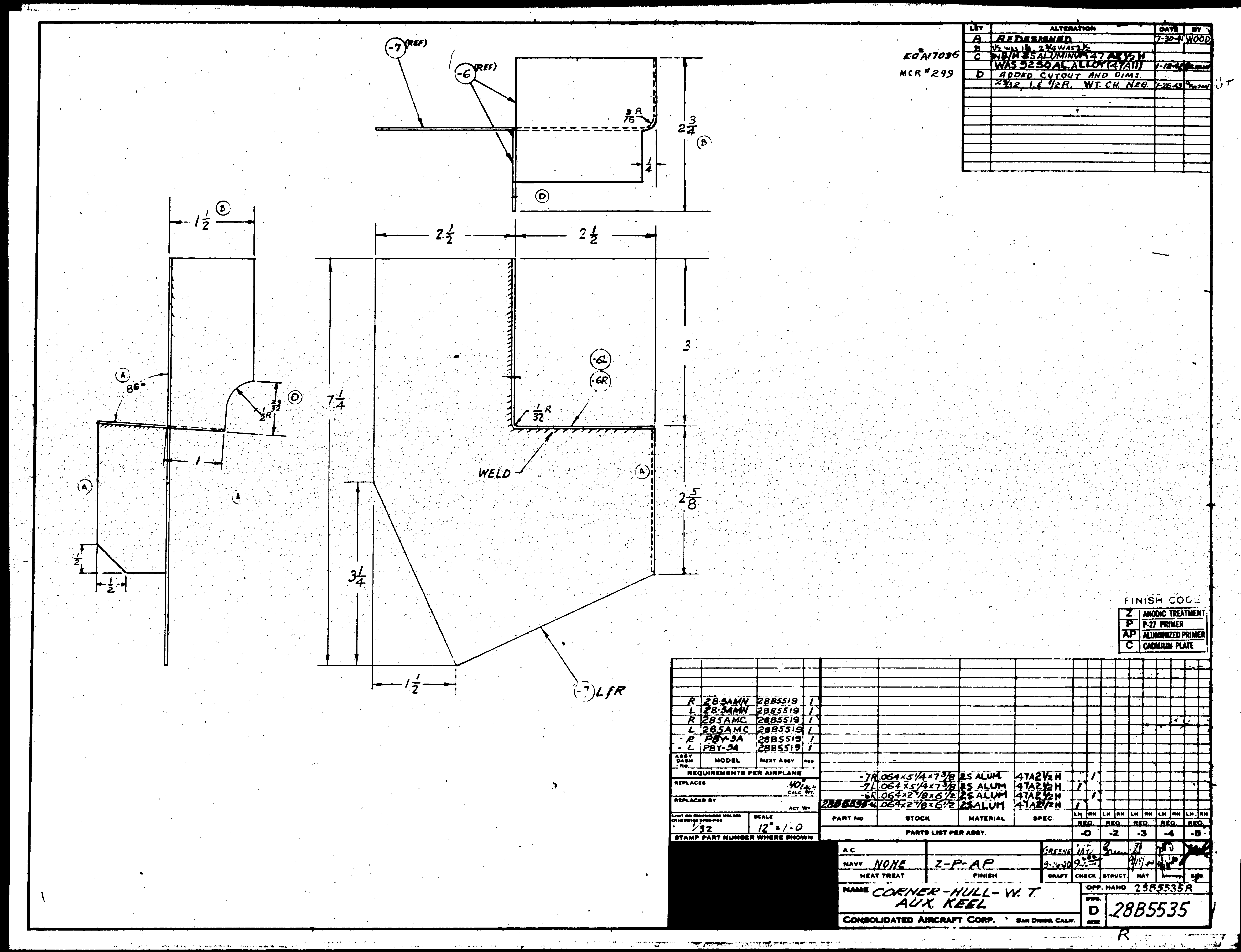
LH REQ. -0	RH REQ. -0	LH REQ. -2	RH REQ. -2	LH REQ. -3	RH REQ. -3	LH REQ. -4	RH REQ. -4	LH REQ. -5	RH REQ. -5

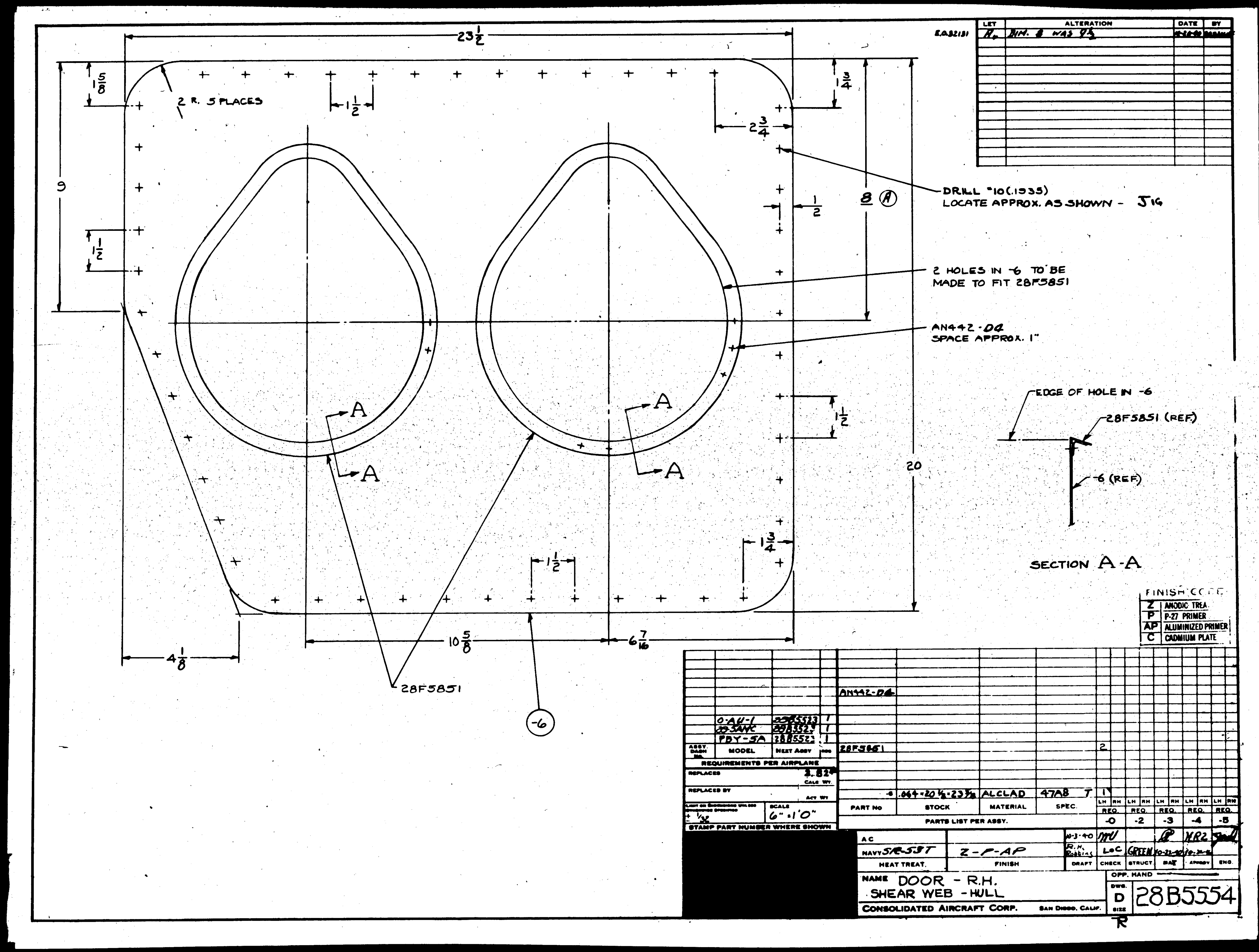


E.O. 28758
E.O. A11668
OAU-1, PBY-5A, 28-5AMC
LET
ALTERATION
DATE
BY
A
CUT OFF FLANGE
B
3/16 R
1 R
1 R
3/16 R
6
1
15/16
78°
1 1/2 R
4 5/16
A
1/8 R
B
B
1/4
9 21/32
1" R
12°
3 1/2
3R
SYMM.
3/16 R
FOR DISTANCE OF 1" THEN TAPER TO 1" RADIUS
7/8
TRIM
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
OAU-1 2885528 1
28-5AMC 2886528 1
PBY-5A 2885528 1
ASSY. DASH No.
MODEL
NEXT ASSY
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
.8 #
CALC WT.
REPLACED BY
ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
± 1/32
SCALE
6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.064 x 14 x 18
24S CLAD
47A8 CONDA
PART No
STOCK
MATERIAL
SPEC
LH RH REQ. -0
LH RH REQ. -2
LH RH REQ. -3
LH RH REQ. -4
LH RH REQ. -5
PARTS LIST PER ASSY.
[redacted]
AC
NAVY SE53T
Z-P-AP
HEAT TREAT
FINISH
DRAFT
CHECK
STRUCT
MAT
APPROV
ENG.
NAME CUP-HULL-NOSE WELL STA #1
OPP. HAND
DWG.
D
SIZE
28B5532
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
R

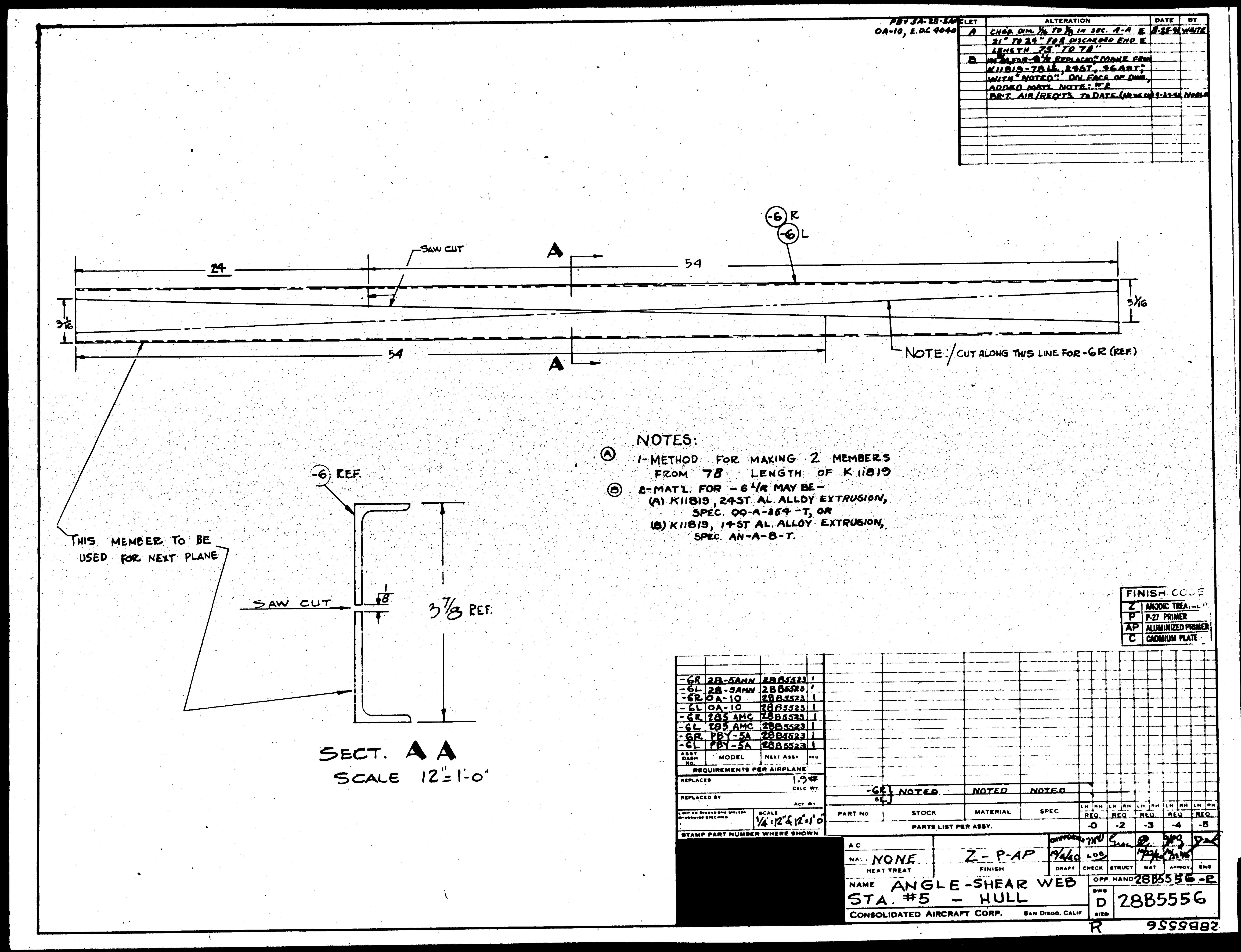


LET
ALTERATION
DATE
BY
A
DRILL ¼ DIA. 4 HOLES. JIG LOCATE WITH ⅛ DIA. HOLE. MUST MATCH WITH PESCO #523 JACK. (A)
SPOTFACE 1 DIA. LINE DRILL ¼ THRU. BOTH BOSSES. REAM ⅜ DIA. IN THIS BOSS.
DRILL #10 1 HOLE
DRILL #50 (.070) FOR LOCKWIRE
TAP. 5/16-24 NF3
1 DIA.
CASTING NO. HERE
28B5533-6
28B5533
DRILL 5/8 DIA.
FINISH CODE
Z ANODIC TREATMEN
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
28-5-ANC 28B5528 1
OAU-1 28B5528 1
PBY-5A 28B5528 1
ASSY DASH NO. MODEL NEXT ASSY REQ
REQUIREMENTS PER AIRPLANE
REPLACES
2.1#
CALC WT
REPLACED BY
ACT WT
CASTING
SCALE
12"=1'-0"
STAMP PART NUMBER WHERE SHOWN
CASTING
ALUMINUM ALLOY
M-186
PART NO STOCK MATERIAL SPEC
REQ REQ REQ REQ REQ
-0 -2 -3 -4 -5
PARTS LIST PER ASSY.
HEAT TREAT
Z-2P-1AB
FINISH
4-23-40
DRAFT CHECK STRUCT MAT APPROV ENG
NAME BRACKET-HULL-NOSE WHEEL UP LOCK
OPP HAND
DWG D SIZE
28B5533
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.


EO A17036
MCR #299
LET | ALTERATION | DATE | BY
A REDESIGNED 7-30-41 WOOD
B 1/2 WAS 1 1/4, 2 3/4 WAS 2 1/2
C 25 ALUMINUM 47A2 1/2 H
WAS 52SO AL. ALLOY (47A11)
D ADDED CUTOUT AND DIMS.
29/32, 1 & 1/2 R. WT. CH. NEG. 7-26-43
-7 (REF)
-6 (REF)
3/16 R
2 3/4
1/4
1 1/2
2 1/2
2 1/2
86°
29/32
1/2 R
1
7 1/4
3
-6L
-6R
1/32 R
WELD
2 5/8
1/2
1/2
3 1/4
1 1/2
-7 L & R
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
R 28-5AMN 28B5519 1
L 28-5AMN 28B5519 1
R 285AMC 28B5519 1
L 285AMC 28B5519 1
-R PBY-5A 28B5519 1
-L PBY-5A 28B5519 1
ASSY DASH NO. | MODEL | NEXT ASSY | REQ
REQUIREMENTS PER AIRPLANE
REPLACES .40 EACH CALC. WT.
REPLACED BY ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 1/32
SCALE 12" = 1-0
STAMP PART NUMBER WHERE SHOWN
-7R .064 x 5 1/4 x 7 3/8 2S ALUM 47A2 1/2 H 1
-7L .064 x 5 1/4 x 7 3/8 2S ALUM 47A2 1/2 H 1
-6R .064 x 2 7/8 x 6 1/2 2S ALUM 47A2 1/2 H 1
28B5535-6L .064 x 2 7/8 x 6 1/2 2S ALUM 47A2 1/2 H 1
PART No | STOCK | MATERIAL | SPEC. | LH RH REQ. -0 | -2 | -3 | -4 | -5
PARTS LIST PER ASSY.
AC
NAVY NONE
HEAT TREAT
Z-P-AP
FINISH
DRAFT CHECK STRUCT. MAT APPROV. ENG.
9-16-40
NAME CORNER-HULL-W. T. AUX. KEEL
OPP. HAND 28B5535R
DWG. SIZE D
28B5535
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R

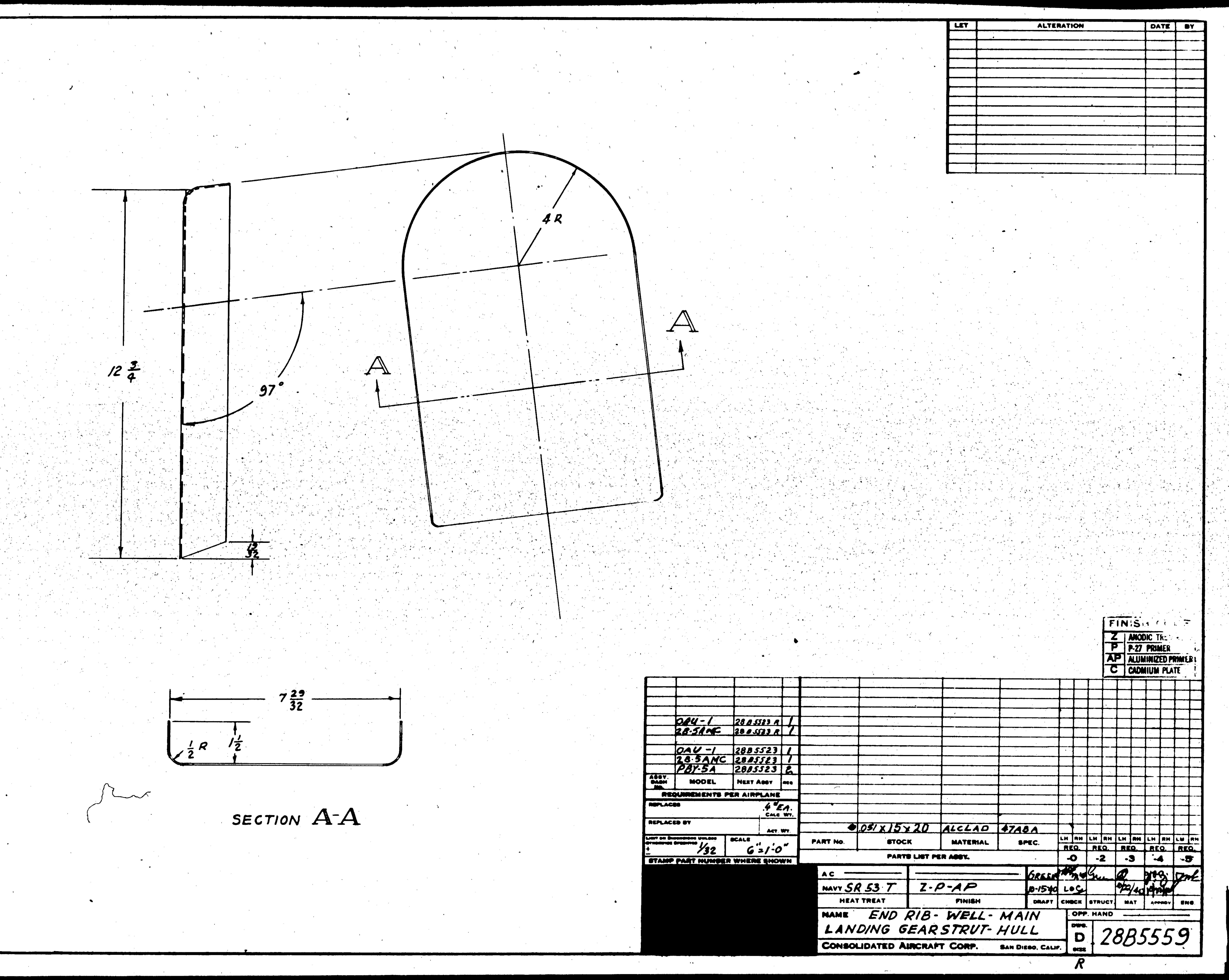


ALTERATION
LET
DATE
BY
DIM. 8 WAS 9½
23½
1⅝
2 R. 5 PLACES
1½
1¾
2¾
9
DRILL #10 (.1935)
LOCATE APPROX. AS SHOWN - JIG
8 (A)
½
2 HOLES IN -6 TO BE
MADE TO FIT 28F5851
AN442-D4
SPACE APPROX. 1"
A
EDGE OF HOLE IN -6
28F5851 (REF.)
-6 (REF.)
20
SECTION A-A
FINISH CODE
Z ANODIC TREA.
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
4⅛
10⅝
6 7/16
28F5851
-6
0-AU-1
PBY-5A
ASSY. DASH No.
MODEL
NEXT ASSY
REQUIREMENTS PER AIRPLANE
REPLACES
2.82
CALC WT.
REPLACED BY
ACT WT
SCALE
6" = 1'0"
STAMP PART NUMBER WHERE SHOWN
AN442-D4
28F5851
2
-6 .064 x 20½ x 23⅝ ALCLAD 47A8 T 1
PART No
STOCK
MATERIAL
SPEC.
LH RH
REQ.
-0
-2
-3
-4
-5
PARTS LIST PER ASSY.
AC
NAVY SR-53T
HEAT TREAT.
Z-P-AP
FINISH
10-3-40
R.H. Robbins
DRAFT
LOC
CHECK
GREEN
STRUCT.
APPROV.
ENG.
OPP. HAND
NAME DOOR - R.H.
SHEAR WEB - HULL
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
DWG. SIZE
D
28B5554

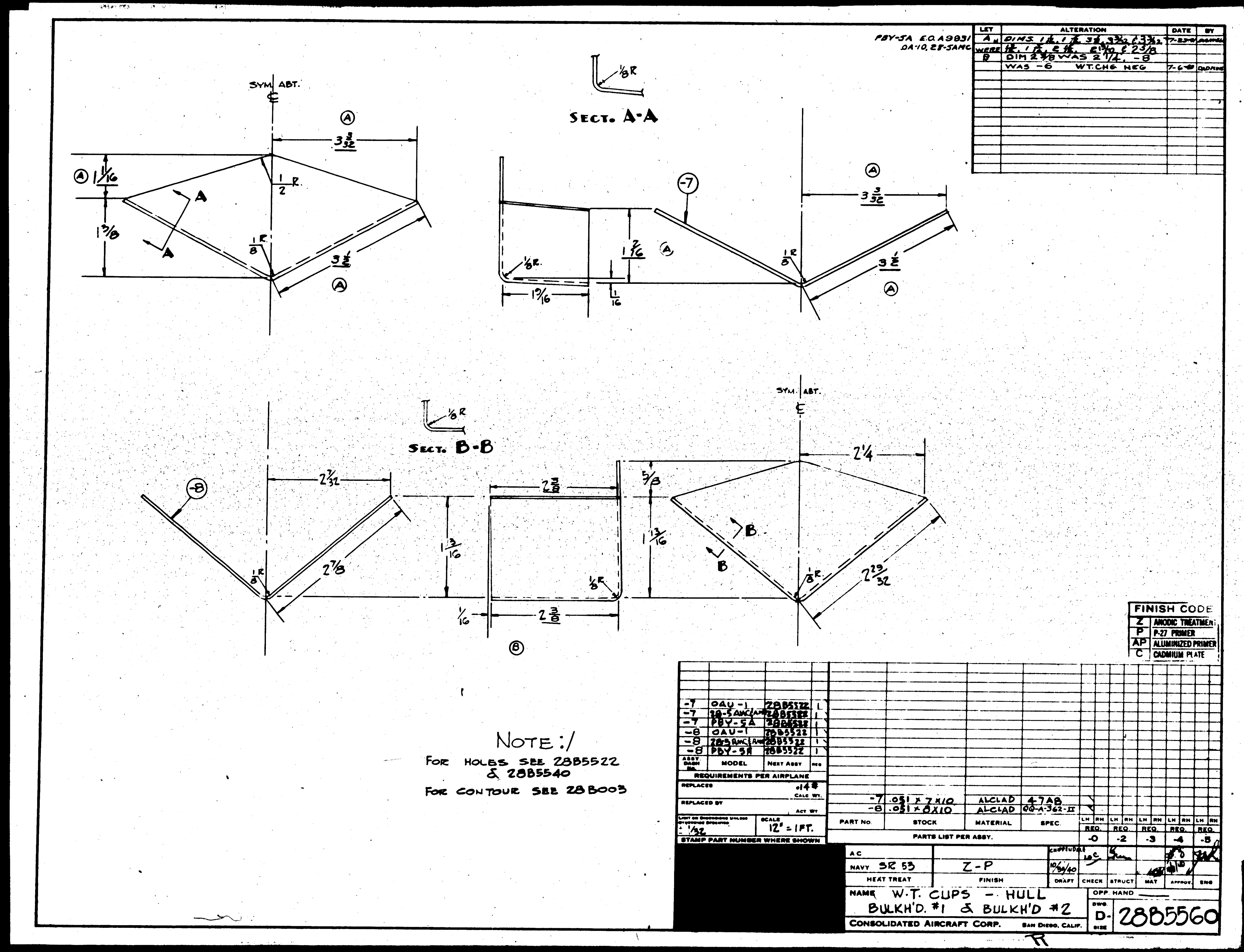


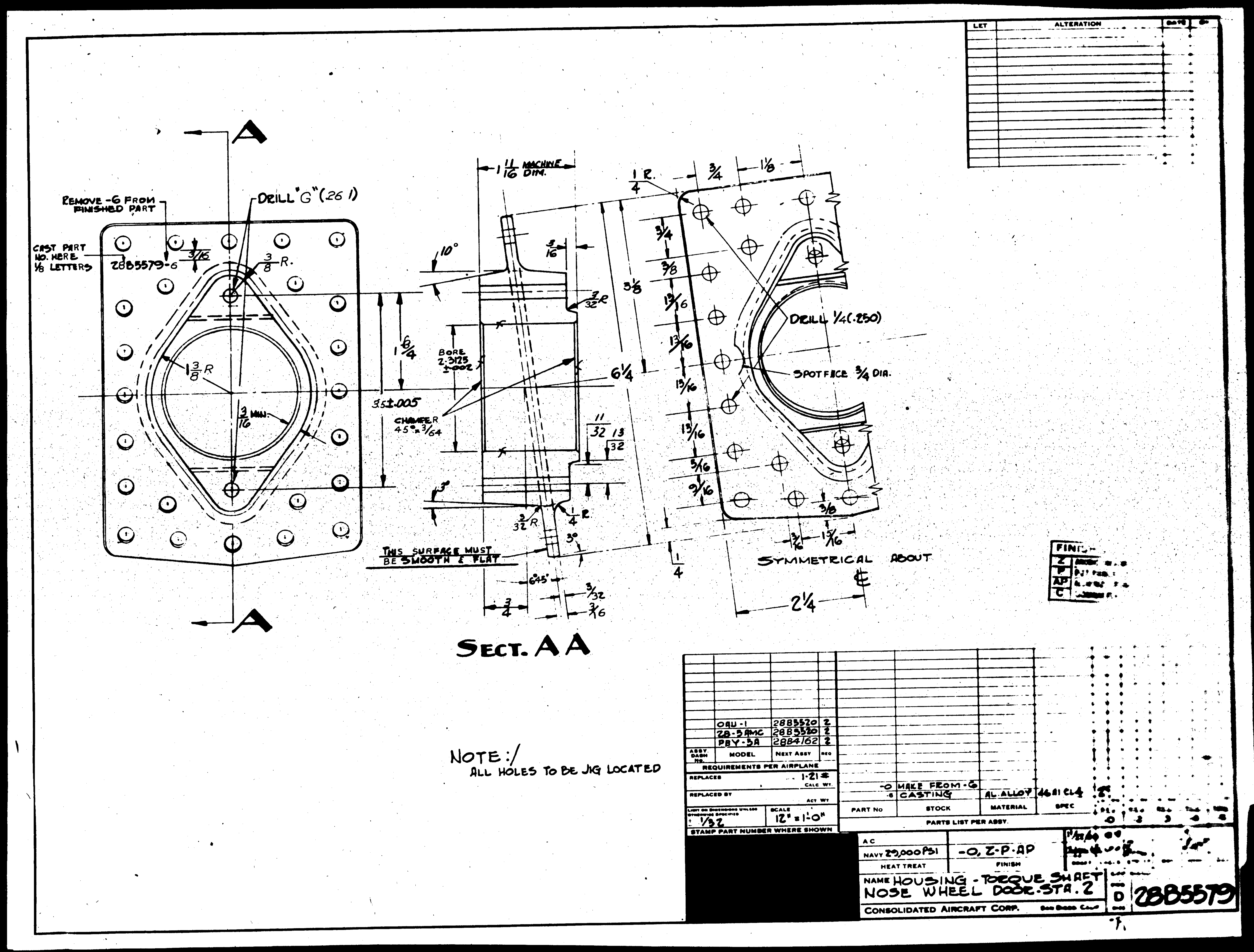
ASSY DASH NO.	MODEL	NEXT ASSY	REQ
-6R	28-5AMN	28B5523	1
-6L	28-5AMN	28B5523	1
-6R	OA-10	28B5523	1
-6L	OA-10	28B5523	1
-6R	28-5 AMC	28B5523	1
-6L	28-5 AMC	28B5523	1
-6R	PBY-5A	28B5523	1
-6L	PBY-5A	28B5523	1

PART No	STOCK	MATERIAL	SPEC
-6R/-6L	NOTED	NOTED	NOTED



LET
ALTERATION
DATE
BY
4 R
A
A
12 3/4
97°
13/32
7 29/32
1/2 R
1 1/2
SECTION A-A
FINISH
Z ANODIC TR
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
OAU-1 28B5523 R 1
28-5ANC 28B5523 R 1
OAU-1 28B5523 1
28-5ANC 28B5523 1
PBY-5A 28B5523 2
ASSY. DASH No.
MODEL
NEXT ASSY
REQ
REQUIREMENTS PER AIRPLANE
REPLACES
.4# EA.
CALC WT.
REPLACED BY
ACT. WT.
± 1/32
SCALE
6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
.051 x 15 x 20
ALCLAD
47A8A
PART No.
STOCK
MATERIAL
SPEC.
LH RH LH RH LH RH LH RH LH RH
REQ. REQ. REQ. REQ. REQ.
-0 -2 -3 -4 -5
PARTS LIST PER ASSY.
AC
NAVY SR 53 T
HEAT TREAT
Z-P-AP
FINISH
GREEN
10-15-40
LOC
DRAFT
CHECK
STRUCT.
MAT
APPROV
ENG.
NAME END RIB - WELL - MAIN LANDING GEARSTRUT - HULL
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
OPP. HAND
DWG. SIZE D
28B5559
R

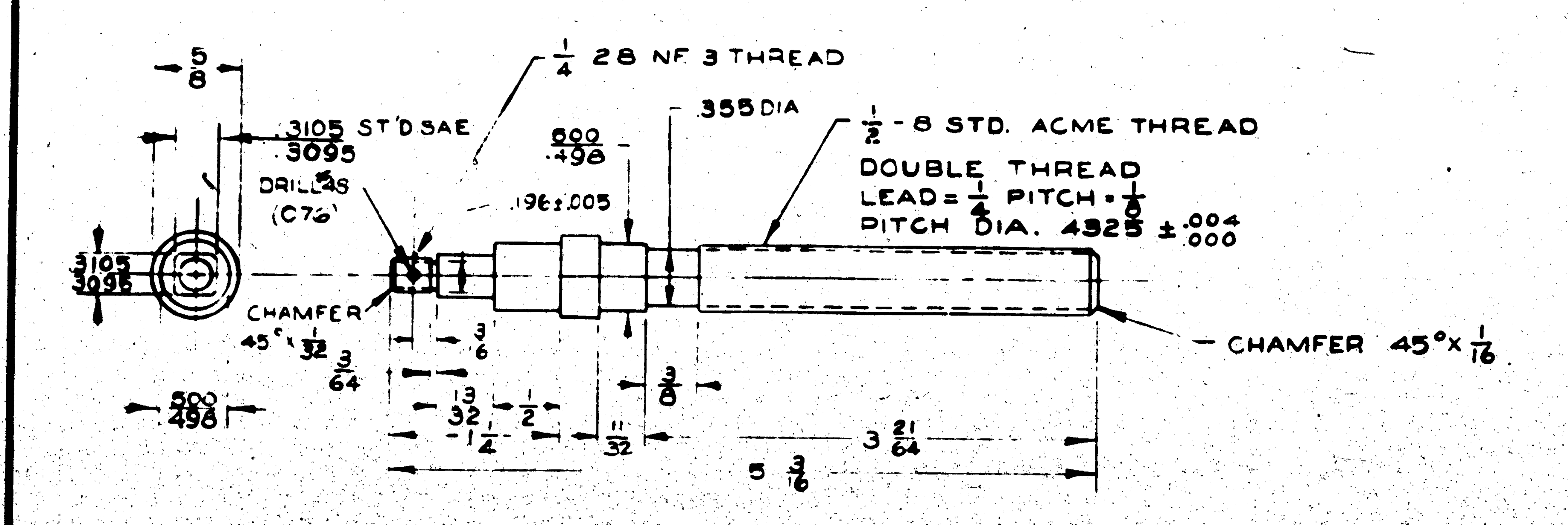

PBY-5A E.O. A9831
OA-10, 28-5AMC
SYM. ABT.
SECT. A-A
SECT. B-B
NOTE :/
FOR HOLES SEE 28B5522
& 28B5540
FOR CONTOUR SEE 28B003
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
-7 .051 x 7 x 10 ALCLAD 47AB
-8 .051 x 8 x 10 ALCLAD QQ-A-362-II
SCALE 12" = 1 FT.
STAMP PART NUMBER WHERE SHOWN
NAVY SR 53
Z-P
NAME W.T. CUPS - HULL BULKH'D. #1 & BULKH'D #2
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
D- 28B5560



REMOVE -6 FROM FINISHED PART
CAST PART NO. HERE 1/8 LETTERS
2885579-6
DRILL "G" (.261)
SECT. AA
BORE 2.3125 ±.002
CHAMFER 45° x 3/64
3.5±.005
1 11/16 MACHINE DIM.
THIS SURFACE MUST BE SMOOTH & FLAT
DRILL 1/4 (.250)
SPOTFACE 3/4 DIA.
SYMMETRICAL ABOUT ℄
NOTE:/ ALL HOLES TO BE JIG LOCATED
LET
ALTERATION
OAU-1 2883520 2
28-5AMC 2883520 2
PBY-5A 2884162 2
ASSY. DASH No.
MODEL
NEXT ASSY
REQUIREMENTS PER AIRPLANE
REPLACES
1.21#
CALC WT.
REPLACED BY
ACT WT.
1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
-0 MAKE FROM -6
-6 CASTING
AL. ALLOY
PART No
STOCK
MATERIAL
SPEC
PARTS LIST PER ASSY.
NAVY 29,000 PSI
HEAT TREAT
-0, Z-P-AP
FINISH
NAME HOUSING - TORQUE SHAFT NOSE WHEEL DOOR-STA. 2
D
2885579
CONSOLIDATED AIRCRAFT CORP.

28T5081

LTR	ALTERATION	DATE	BY
H	TRACED NO WT. CHG.	10-2-43	BE



NOTES:-
(1) ALTERNATE MAT'L.
(A) 5/8 DIA. STAINLESS STEEL ROD, SPEC. AN-QQ-S-771, COMP. FM; COND. B.
(B) 5/8 DIA. STAINLESS STEEL ROD, SPEC. AN-QQ-S-771, COMP. G, COND. A.
(2) MAKE THIS PART TO SCREW INSIDE OF 28T5083

REQUIREMENTS PER AIRPLANE

ASSY DASH NO	MODEL	NEXT ASSY	REQ
	PBY-5A	28T5087	1
	PBY-5B	28T5087	1
	PBY-5	28T5287	1
	28-5'S	28T5087	1 EA

REPLACES 28T5081 OF 3-18-40 — CALC WT
REPLACED BY — ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010 — SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PARTS LIST PER ASSY.

PART No	STOCK	MATERIAL	SPEC.	-0 LH REQ.	-0 RH REQ.	-2 LH REQ.	-2 RH REQ.	-3 LH REQ.	-3 RH REQ.	-4 LH REQ.	-4 RH REQ.	-5 LH REQ.	-5 RH REQ.
	NOTED	NOTED	NOTED										

HEAT TREAT	FINISH	DRAFT	CHECK	EXAM.	MAT	APPROV	ENG
AC		3-18-40					
NAVY —	PASSIVATE	SONNTAG				3-27-40	

NAME SCREW - RUDDER TAB CONTROL OPERATING

OPP. HAND
DWG. 28T5081 — SIZE B

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.